

FIG.1

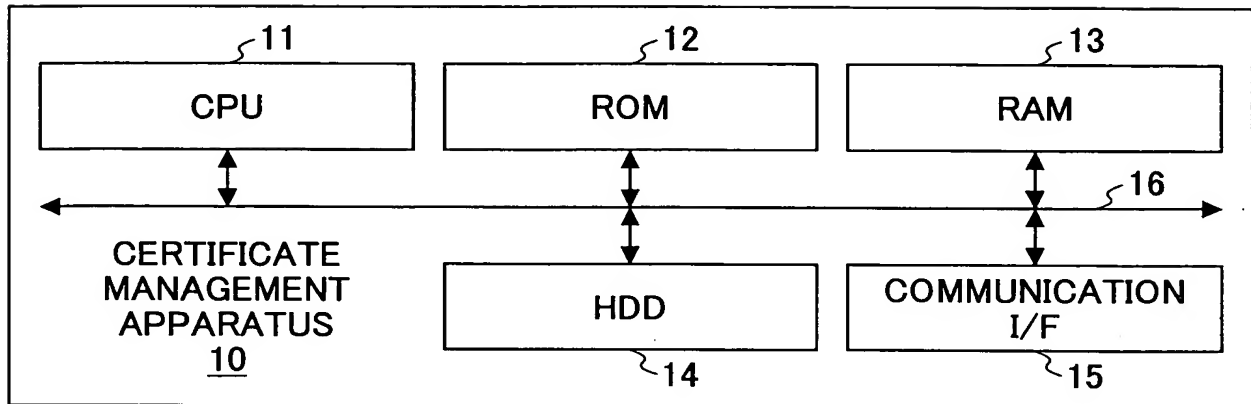


FIG.2

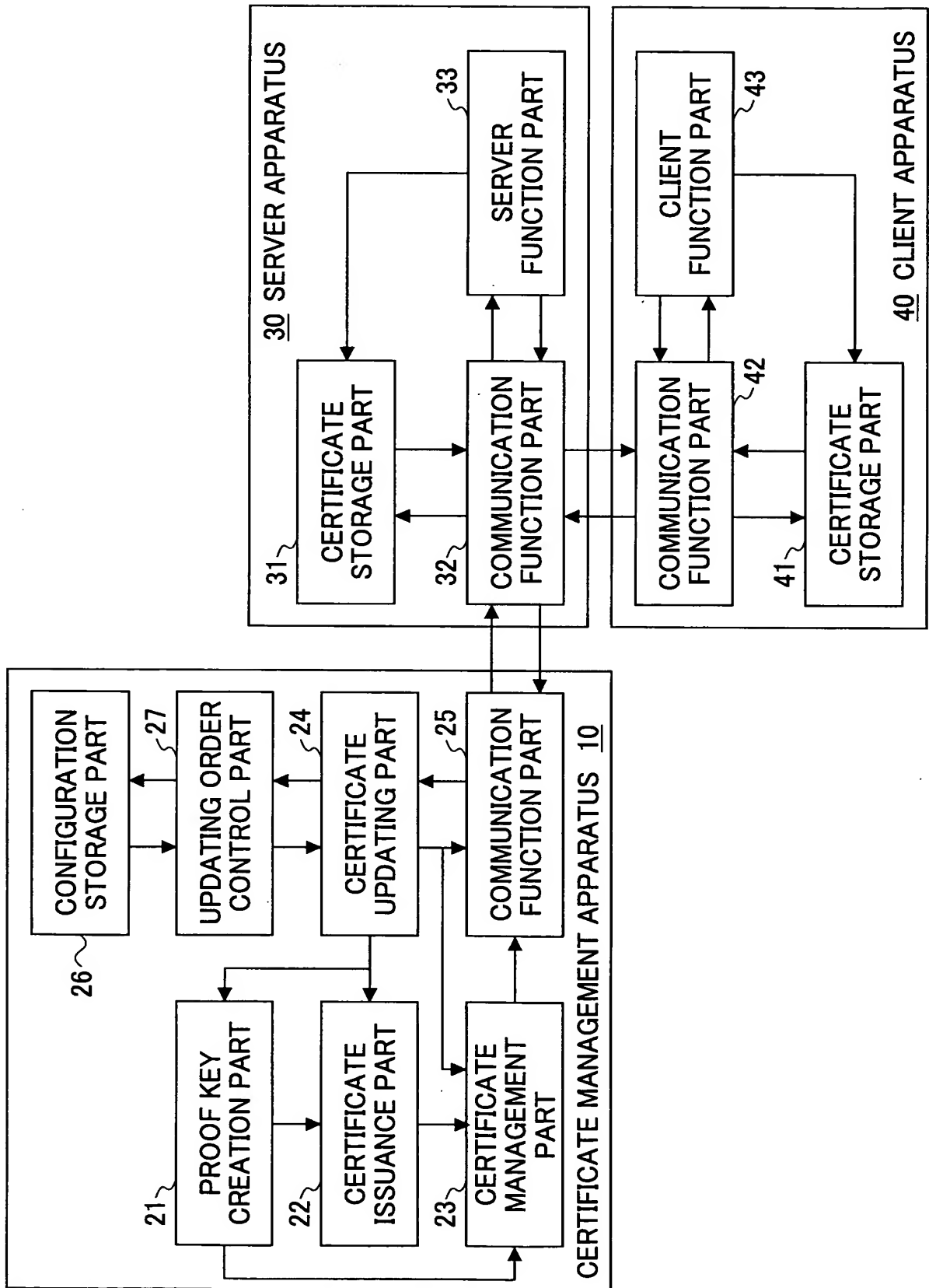


FIG.3A

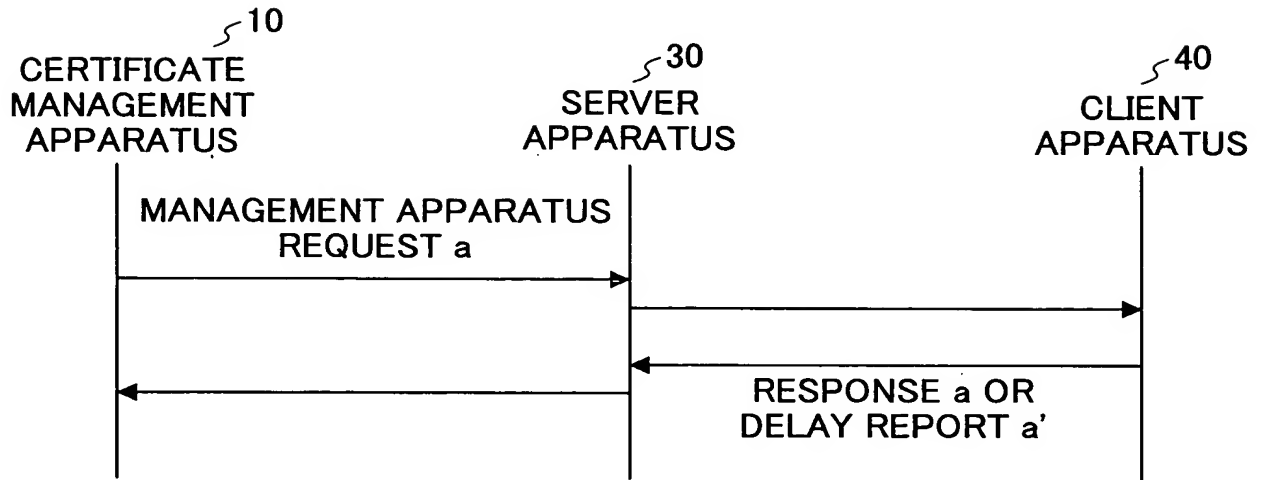


FIG.3B

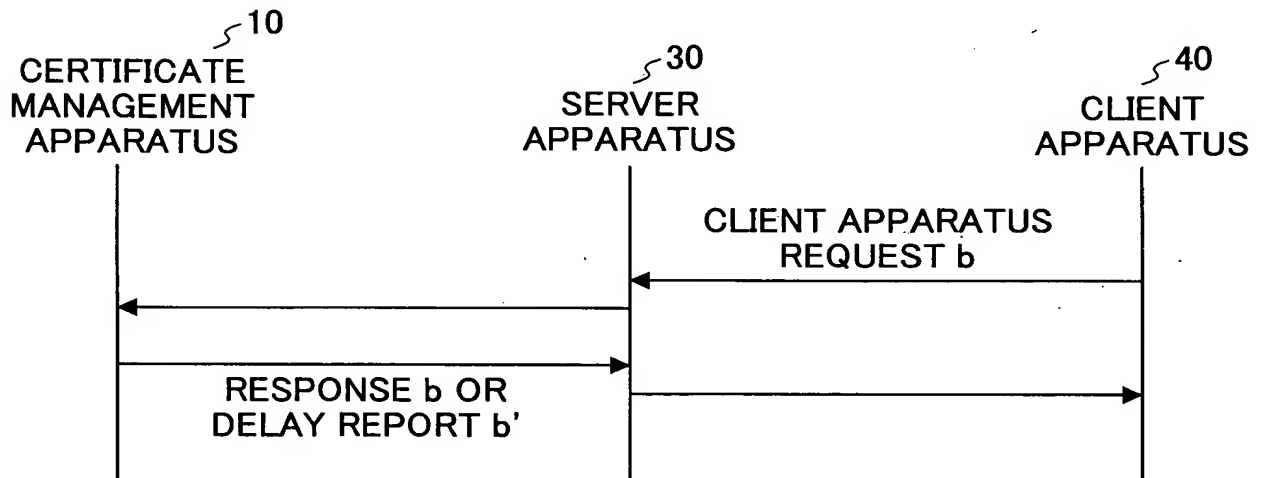


FIG.4

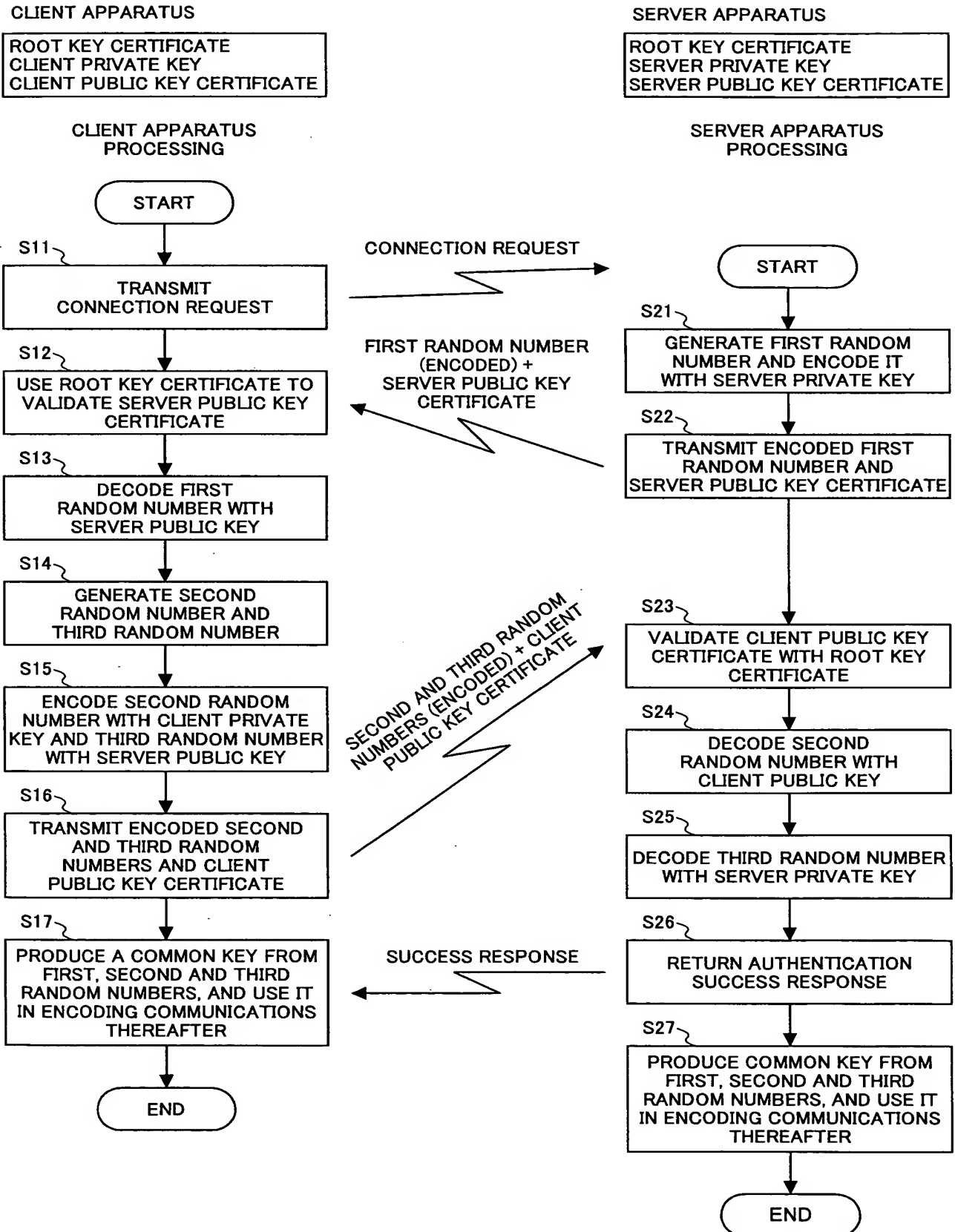


FIG.5

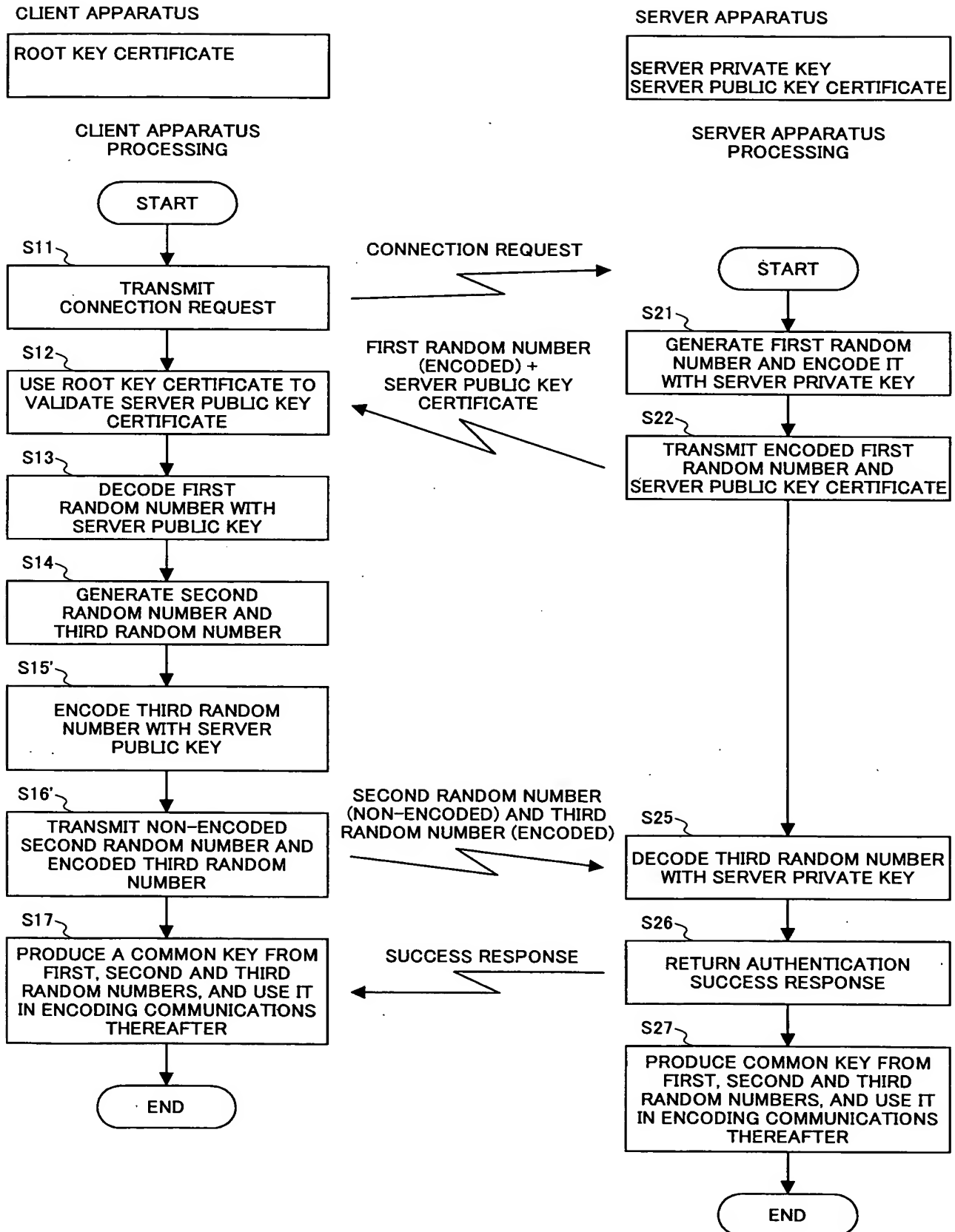


FIG.6

PROCESSING S

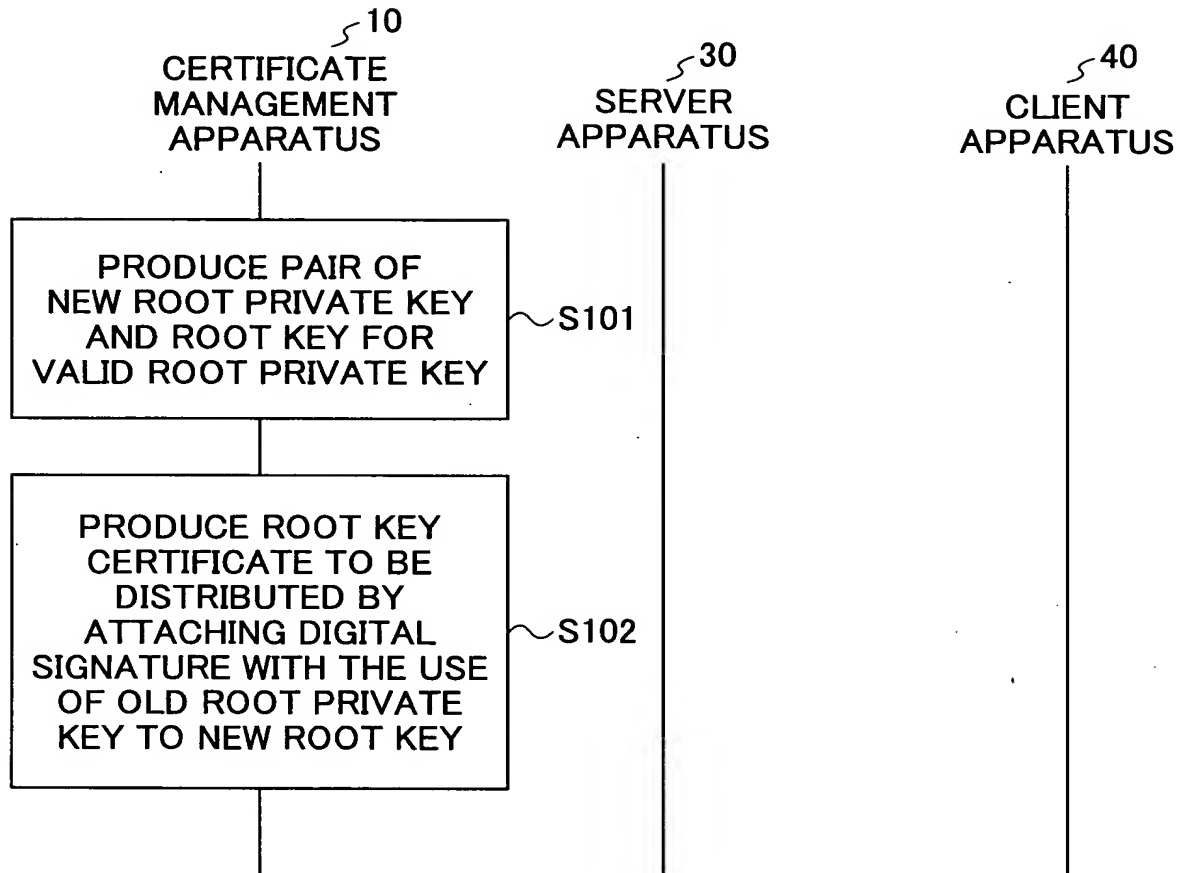


FIG.7

PROCESSING 1

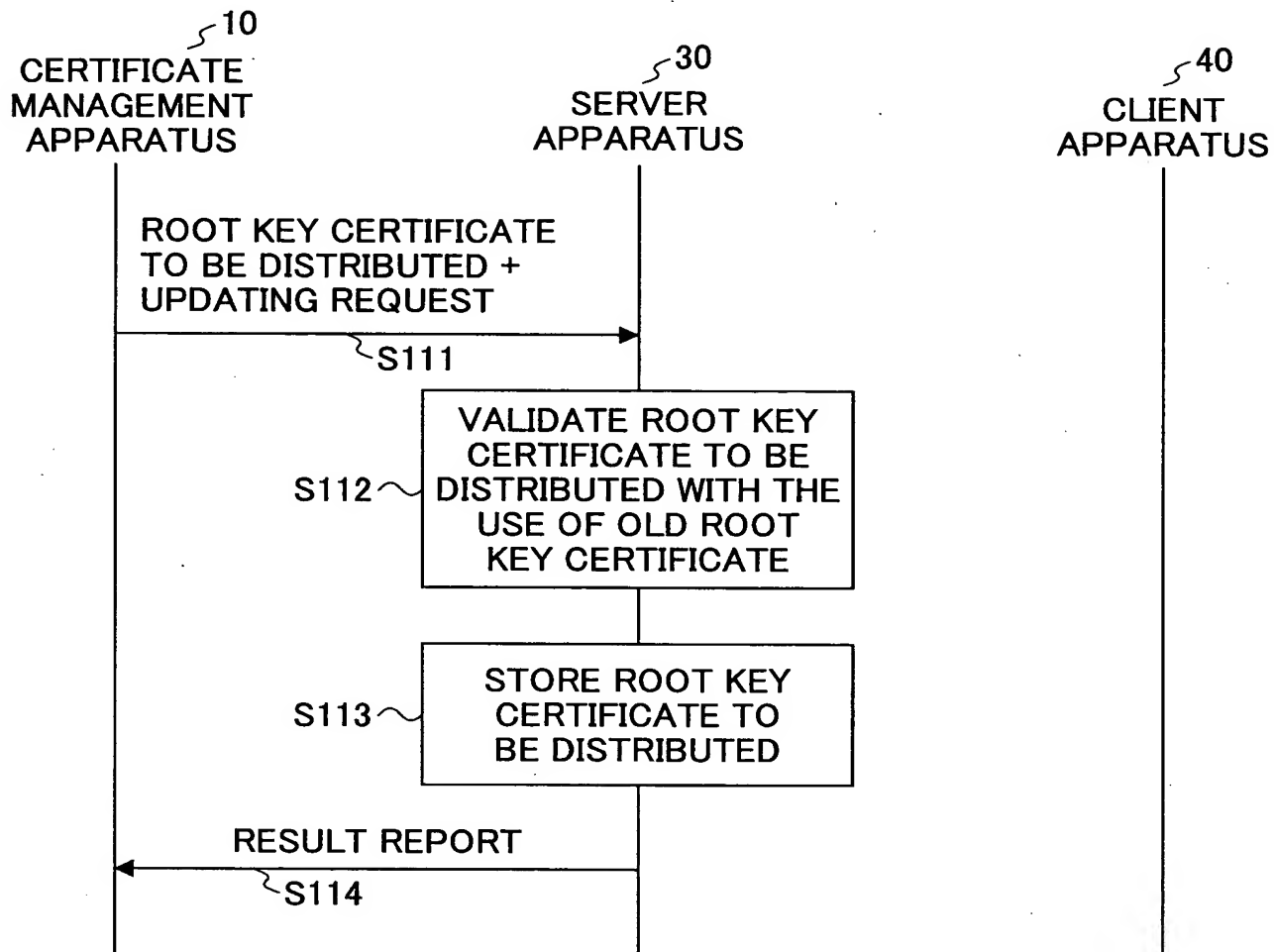


FIG.8

PROCESSING 2

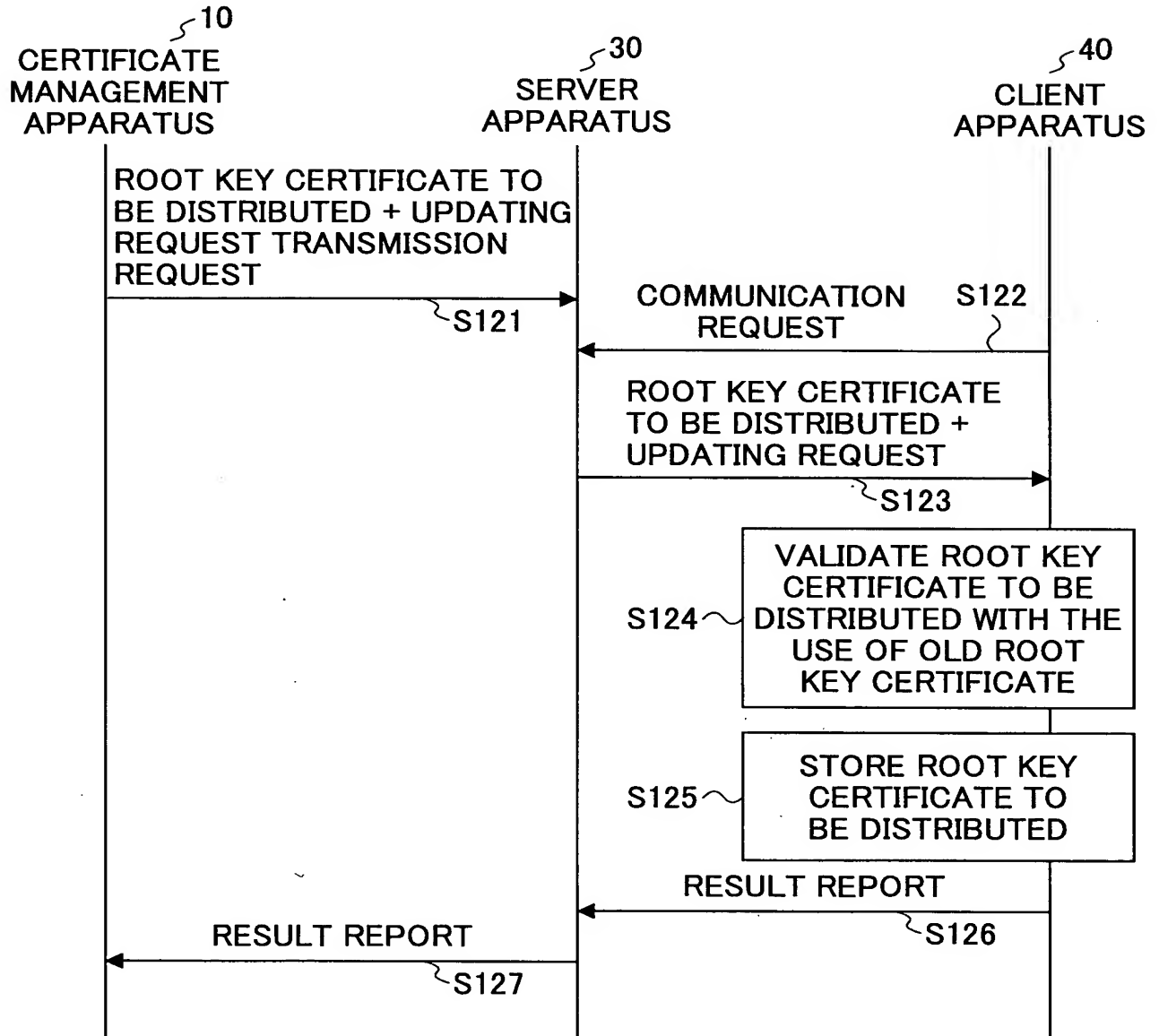


FIG.9

PROCESSING 3

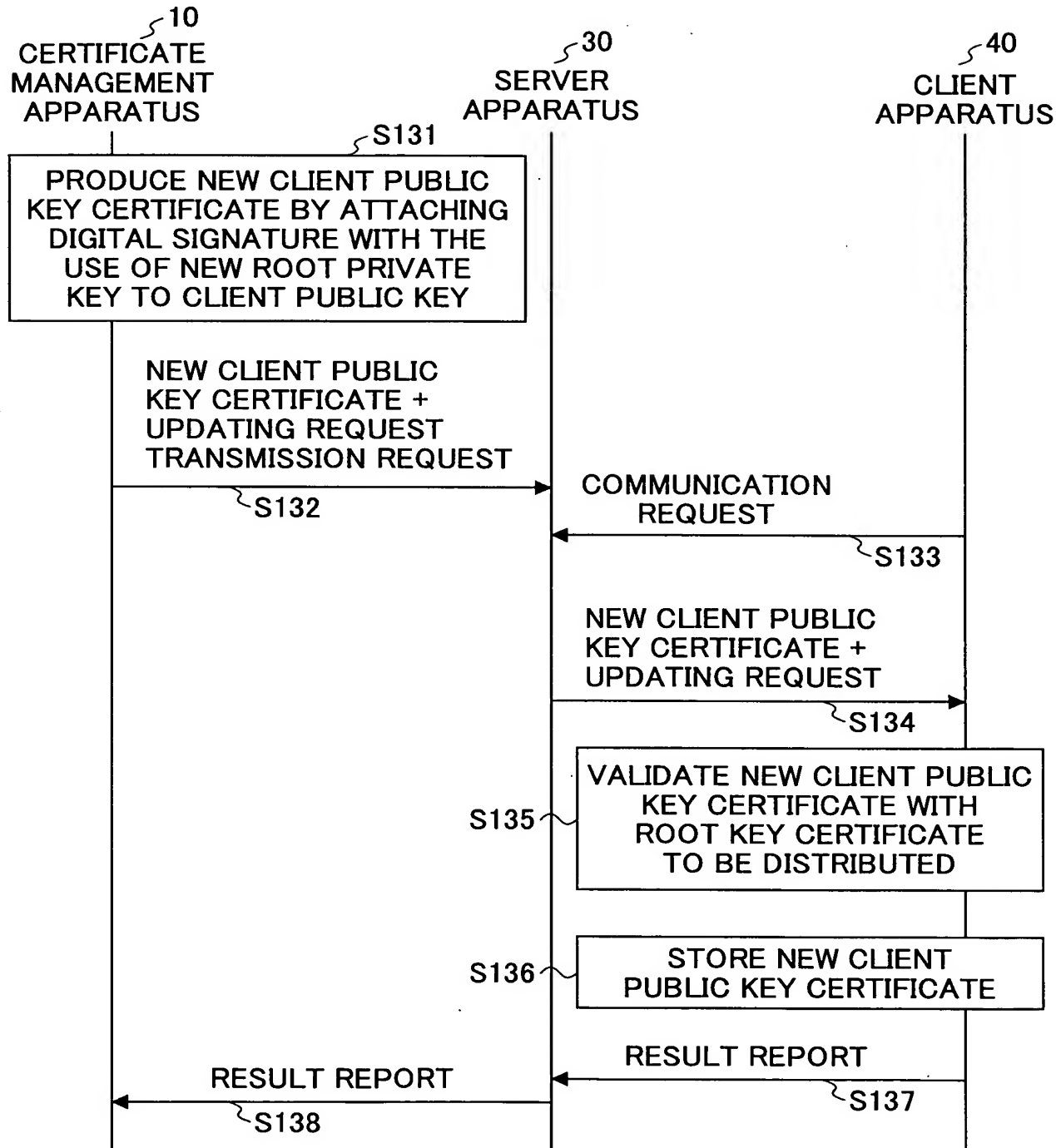


FIG.10

PROCESSING 4

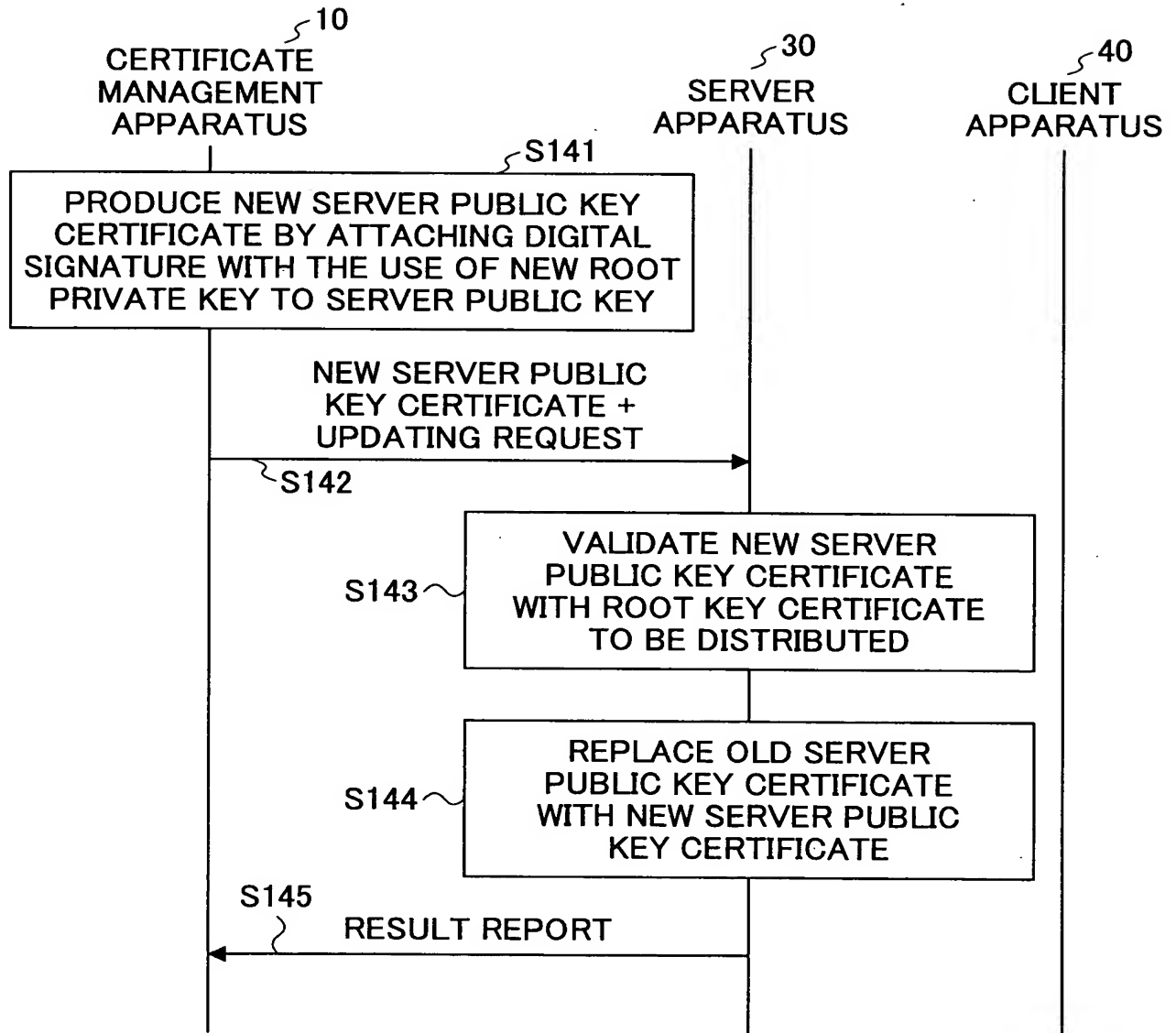


FIG.11

PROCESSING 5

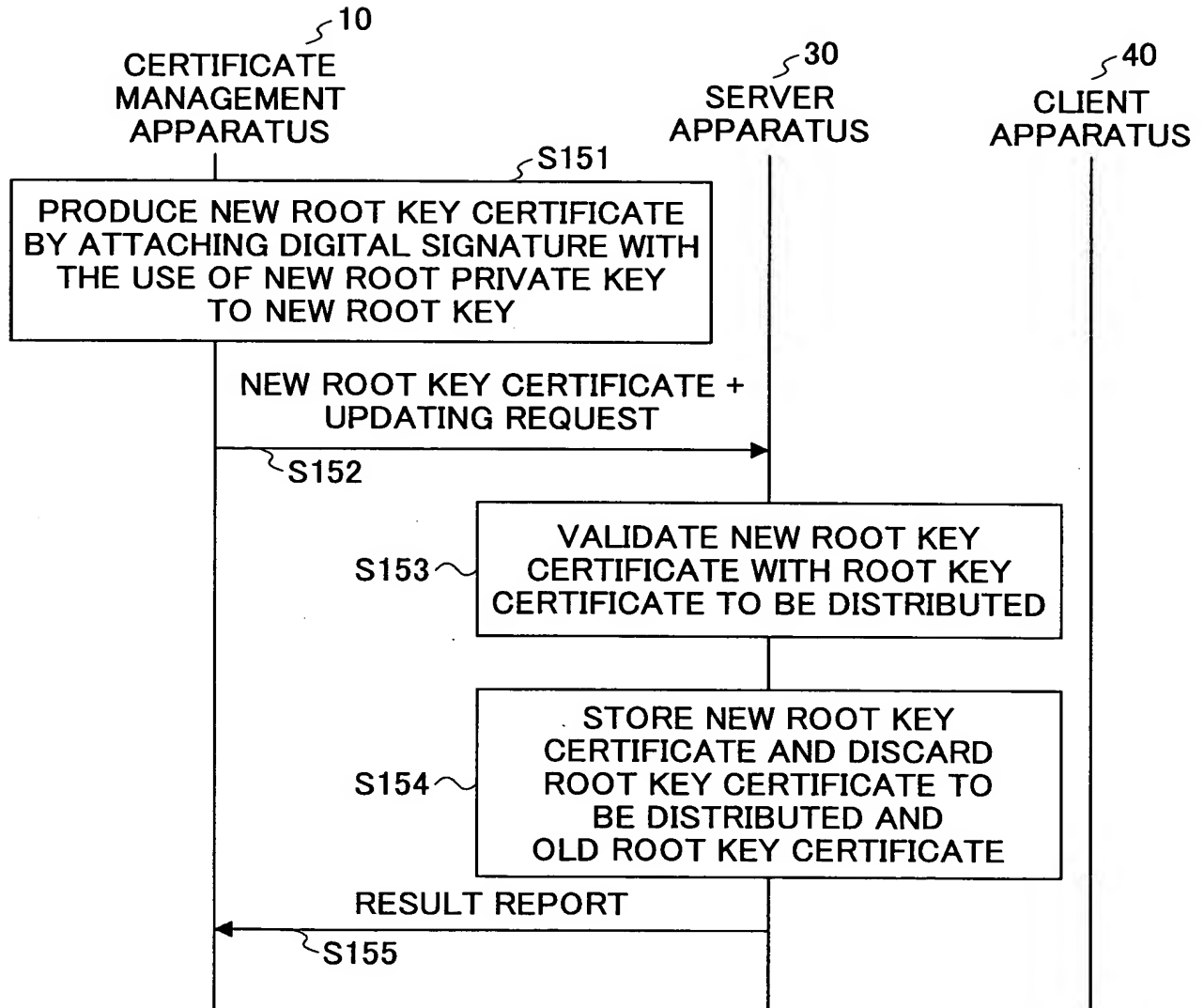


FIG.12

PROCESSING 6

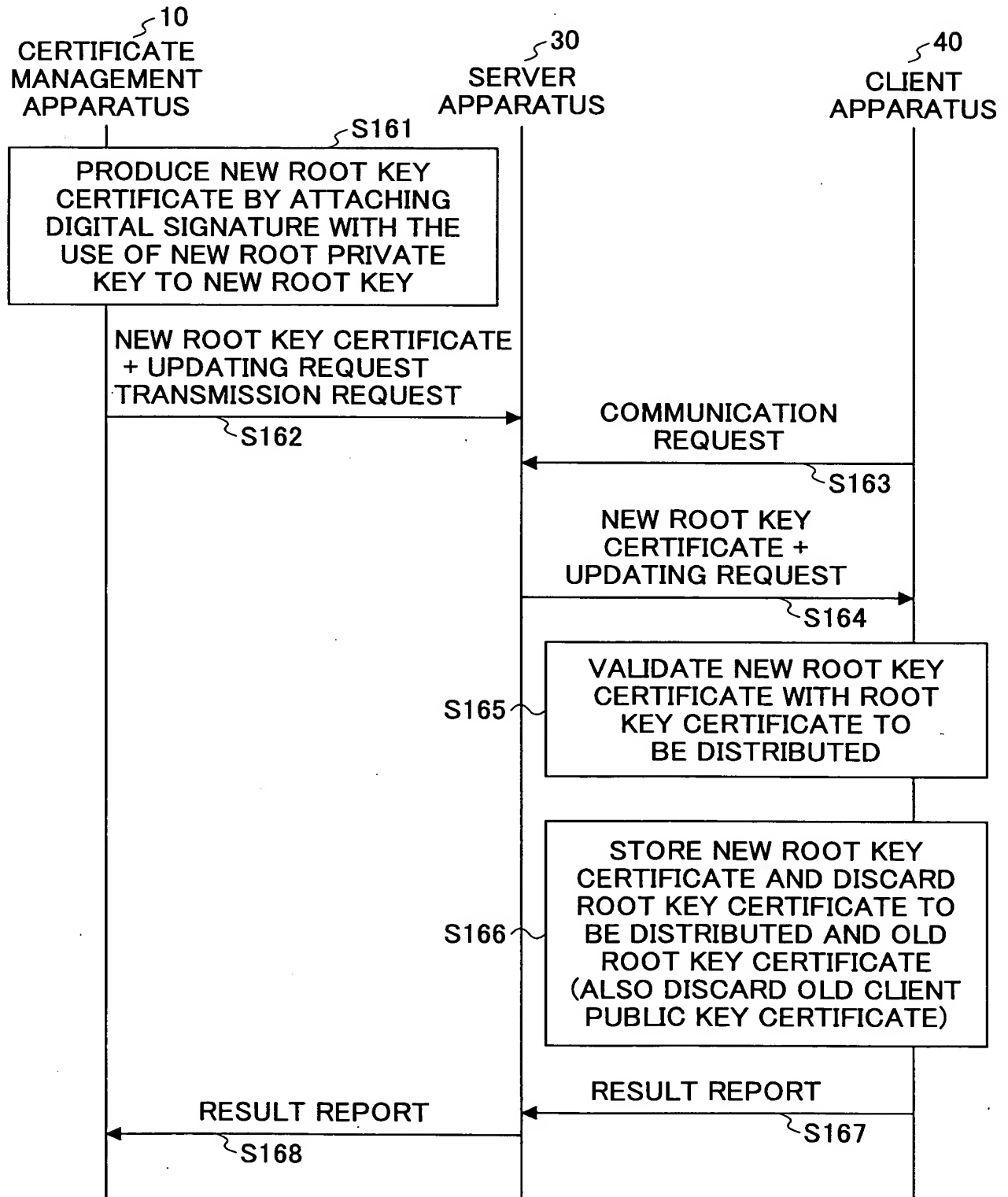


FIG.13

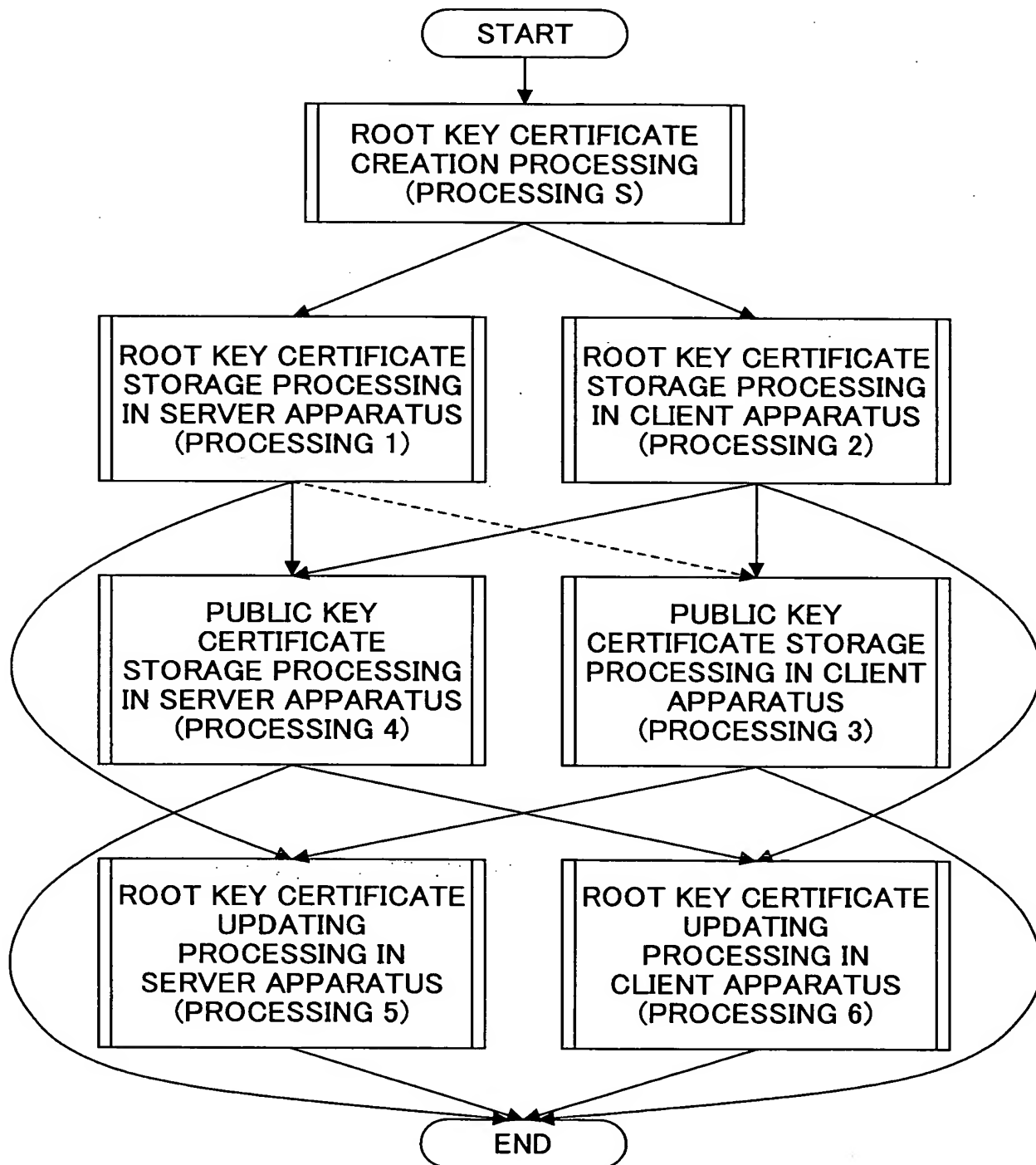


FIG.14

PROCESSING 1'

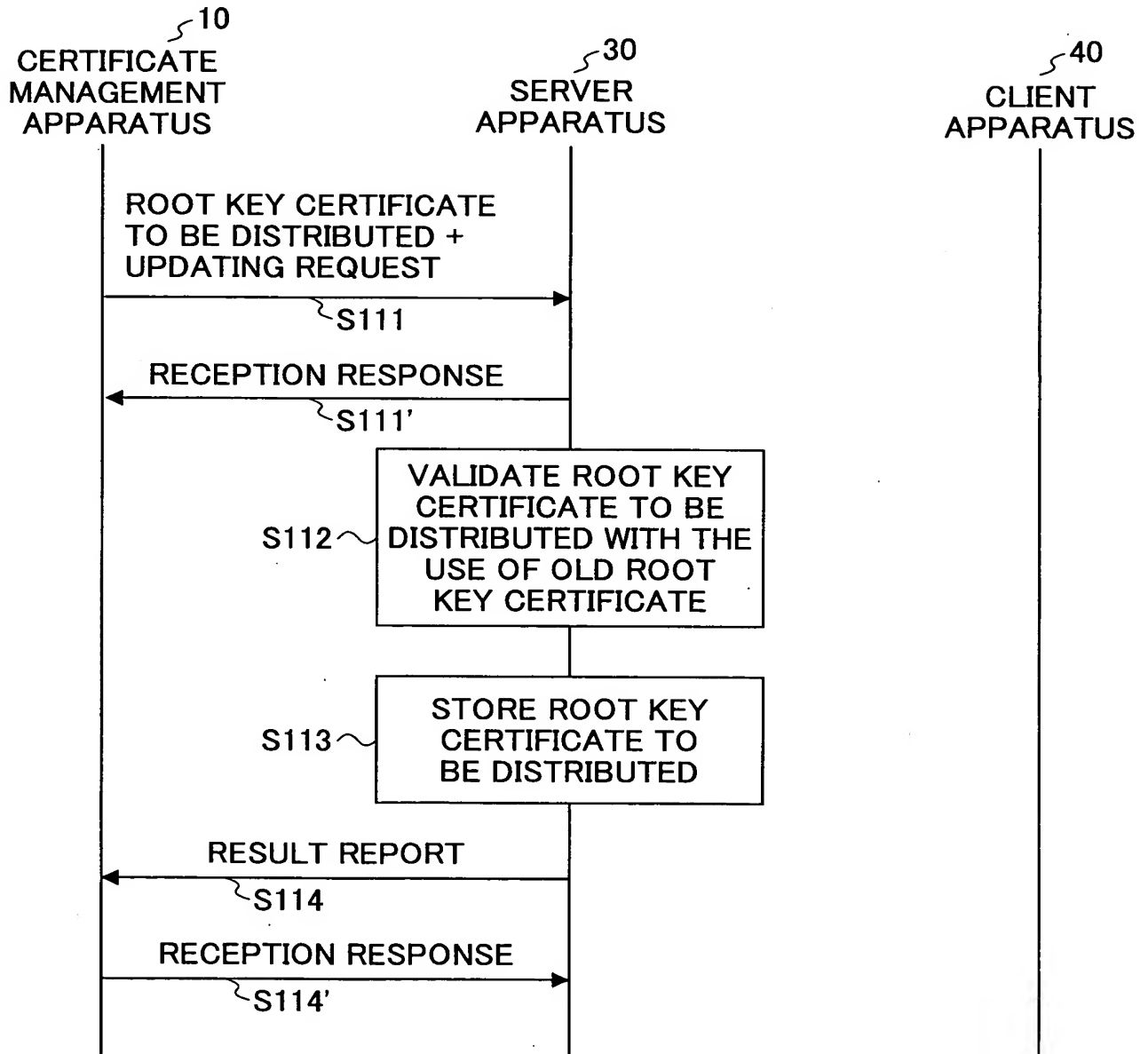


FIG.15

PROCESSING 2'

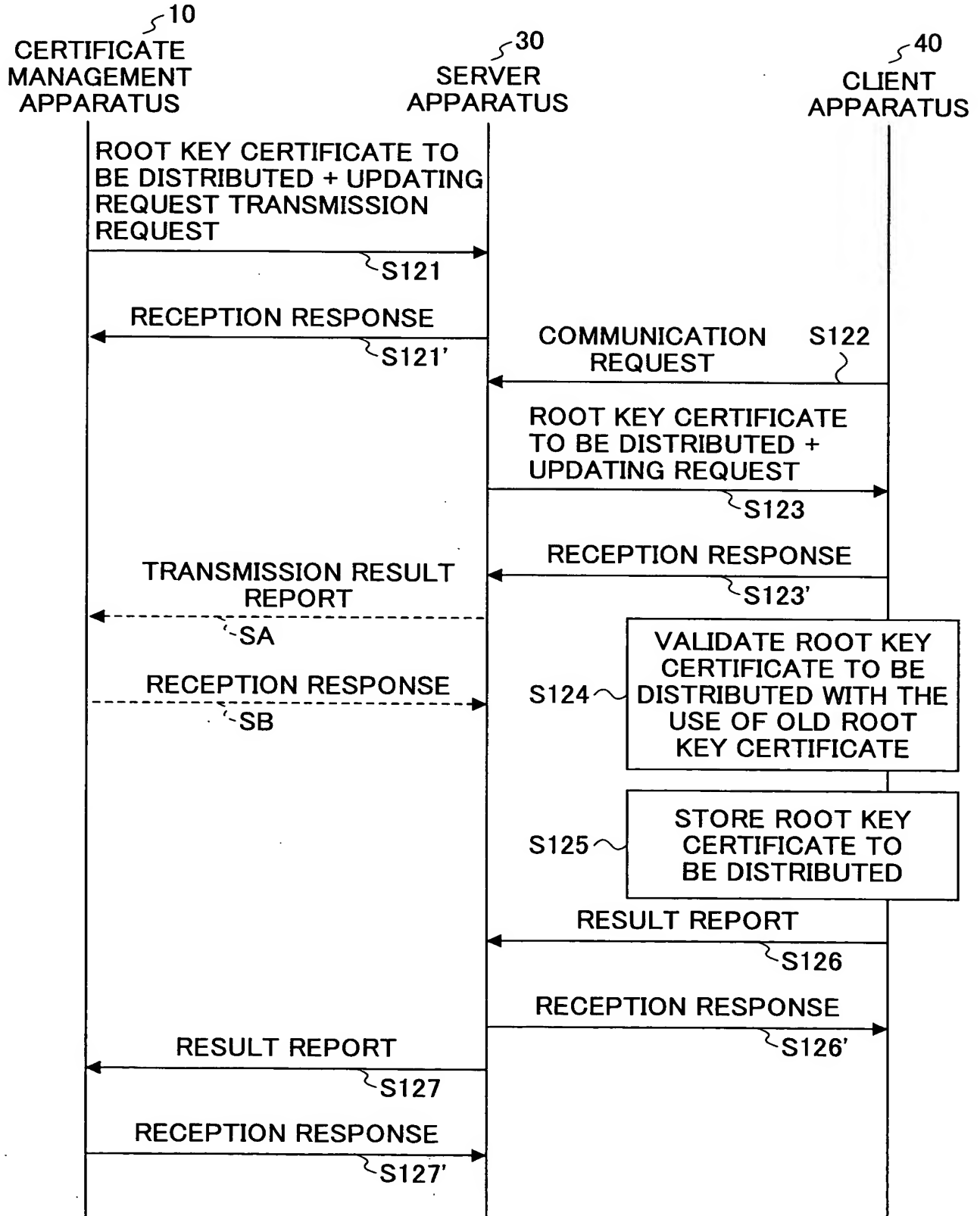


FIG.16

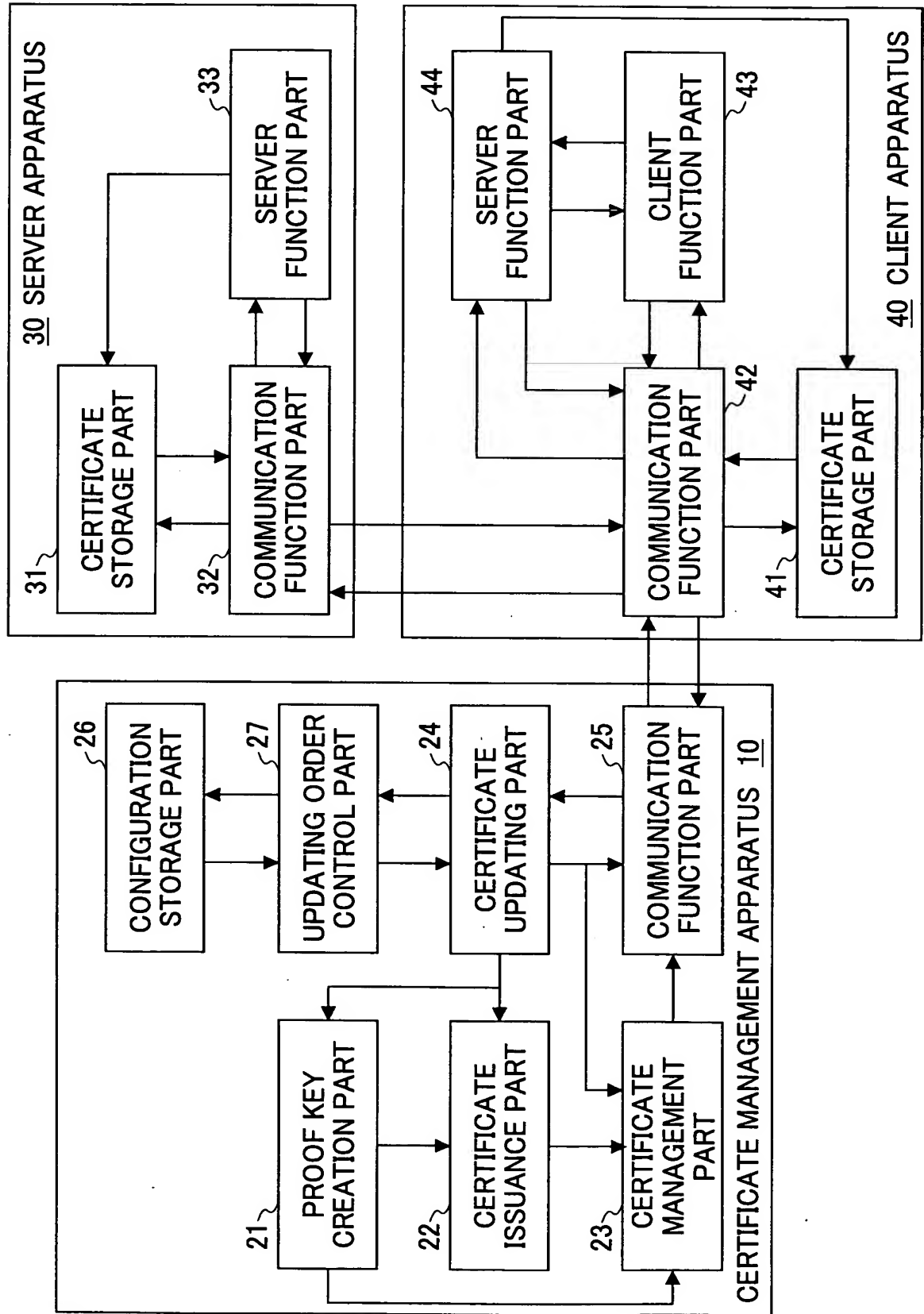


FIG.17

PROCESSING 11

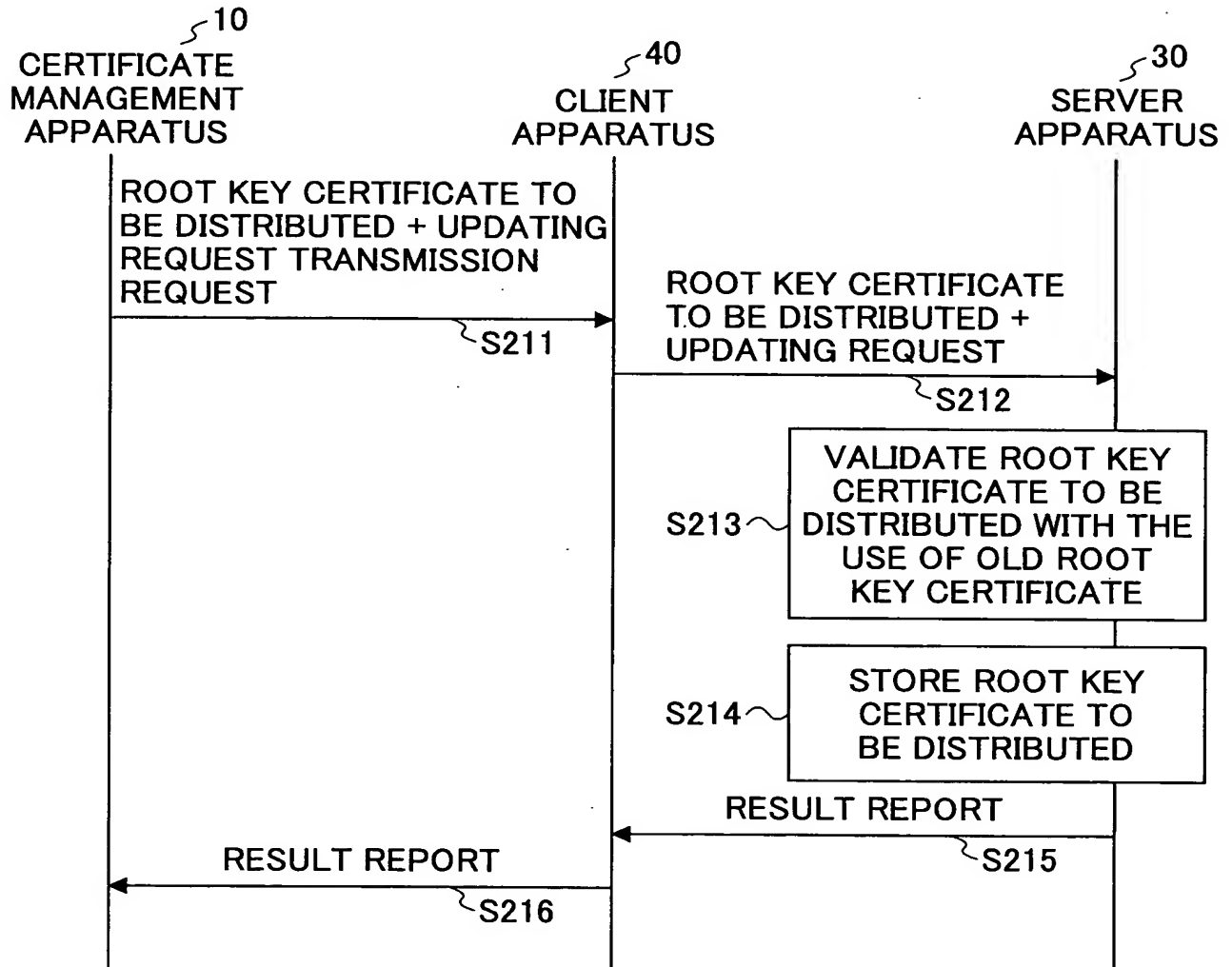


FIG.18

PROCESSING 12

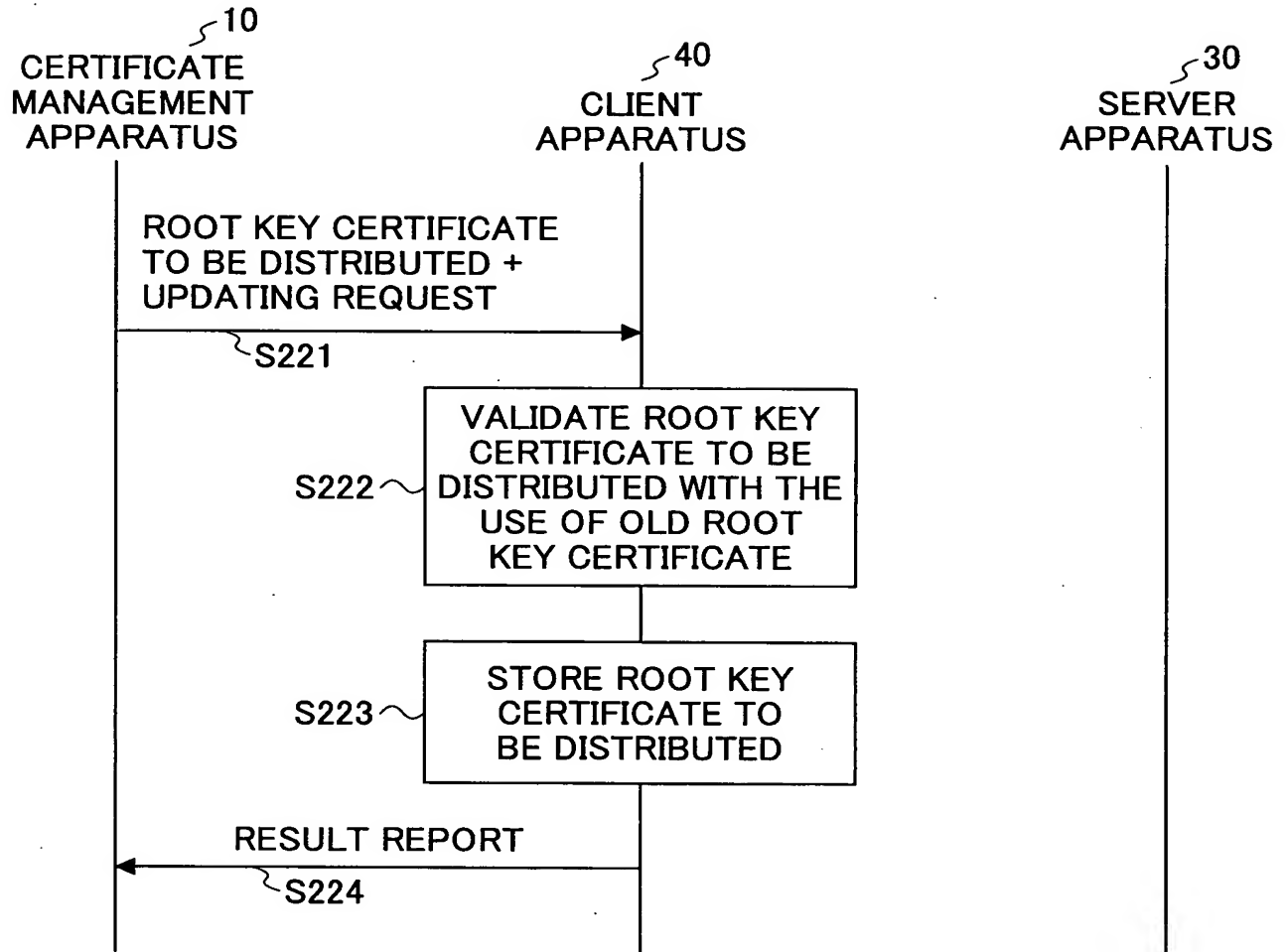


FIG.19

PROCESSING 13

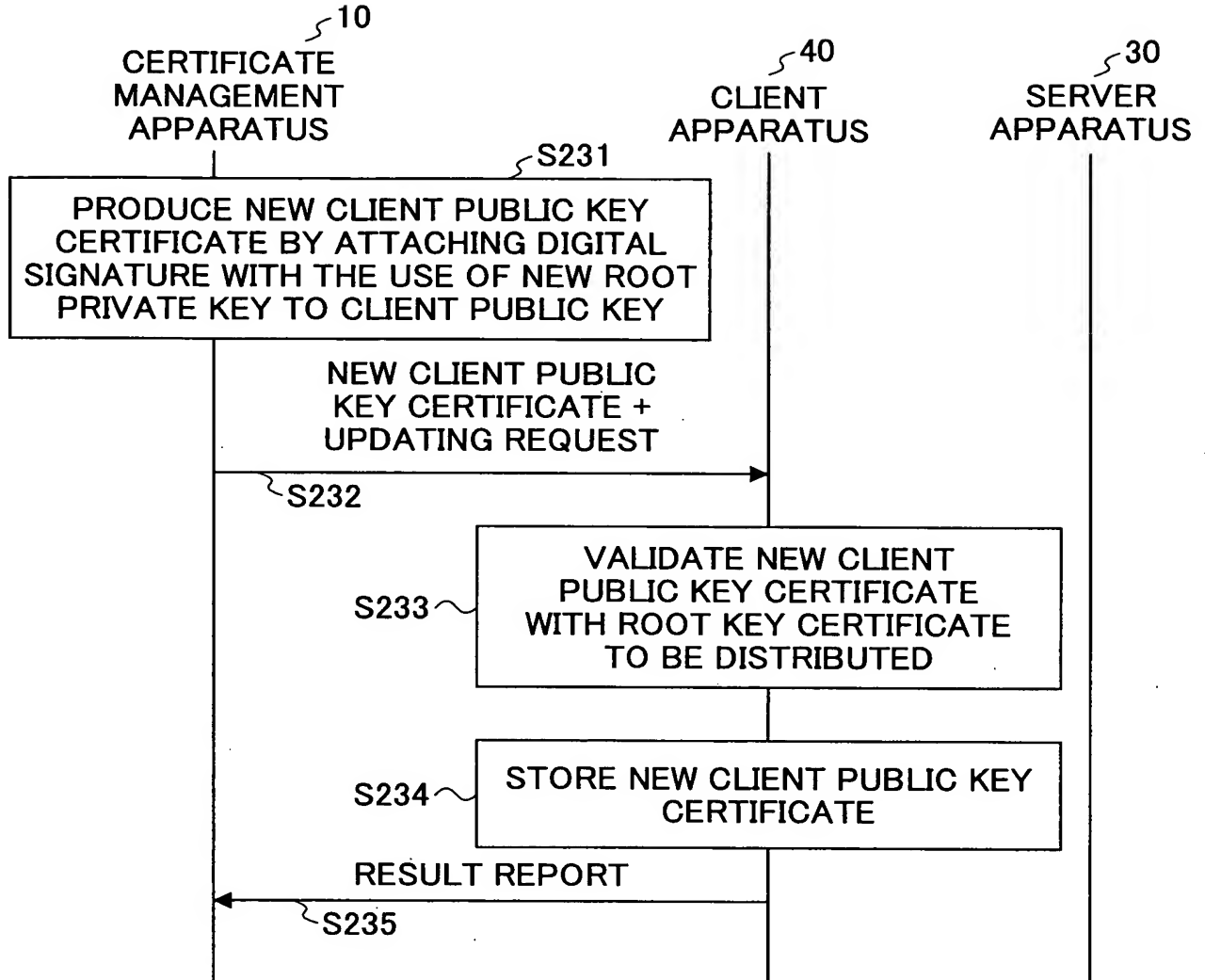


FIG.20

PROCESSING 14

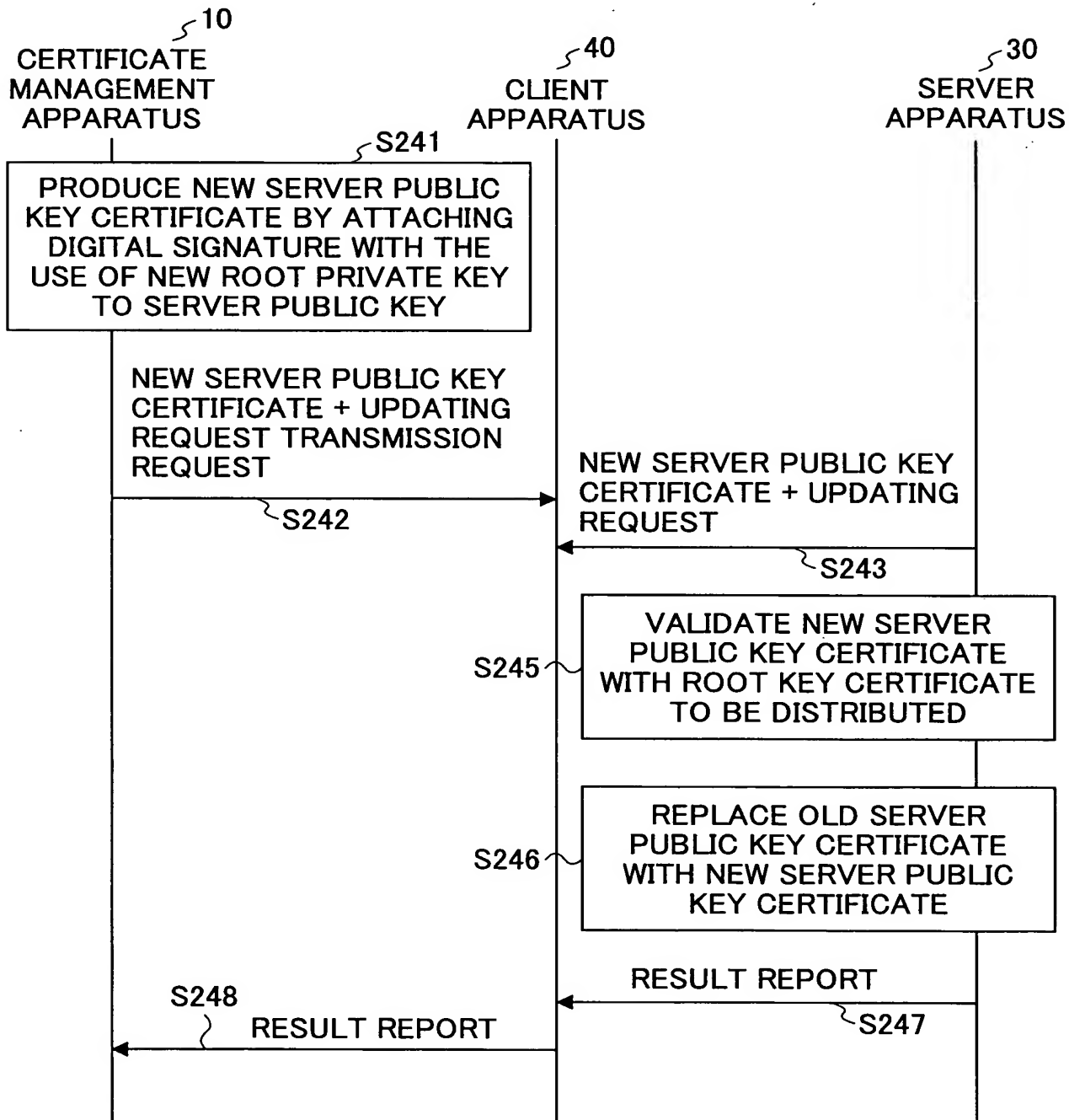


FIG.21

PROCESSING 15

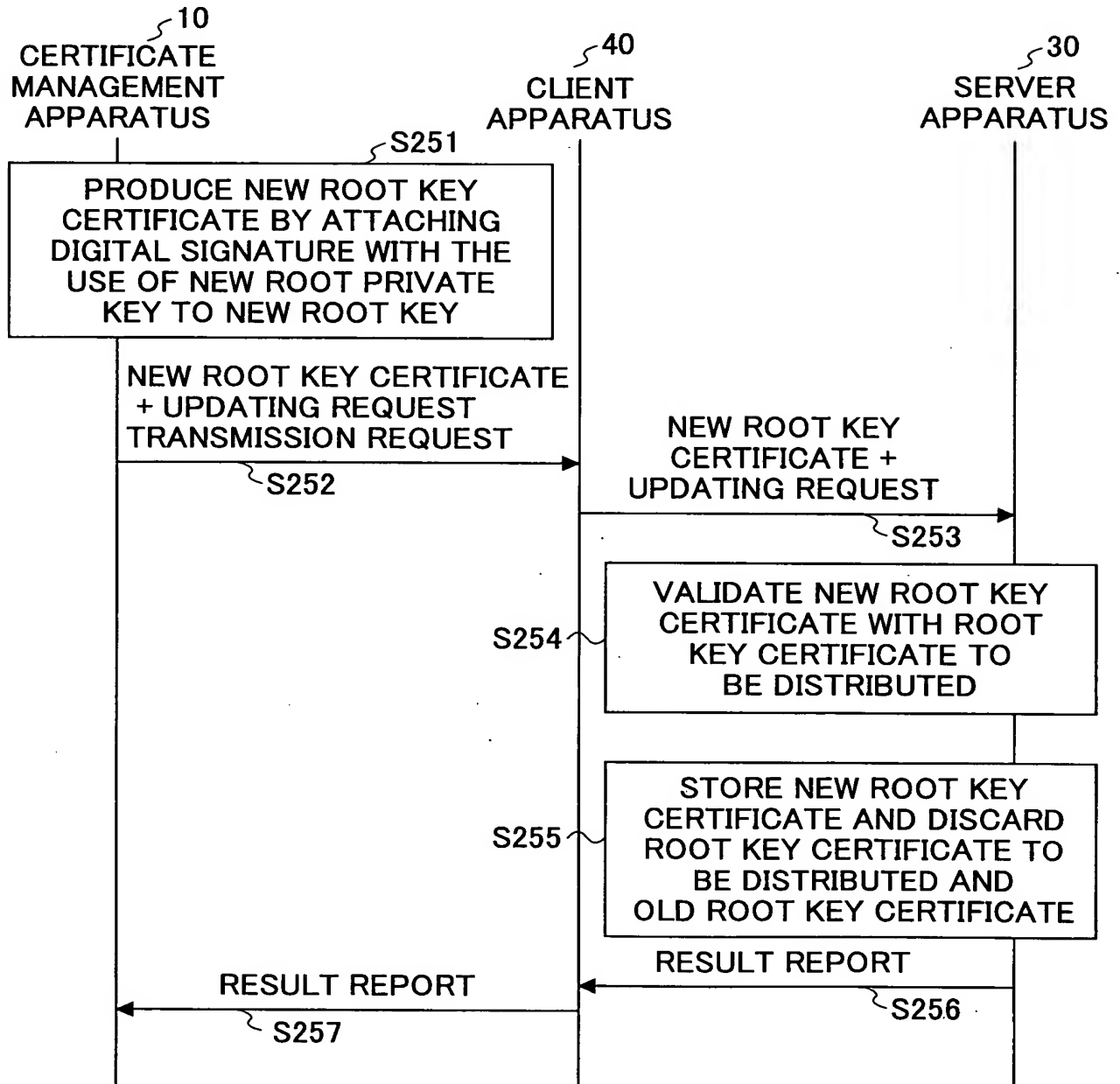


FIG.22

PROCESSING 16

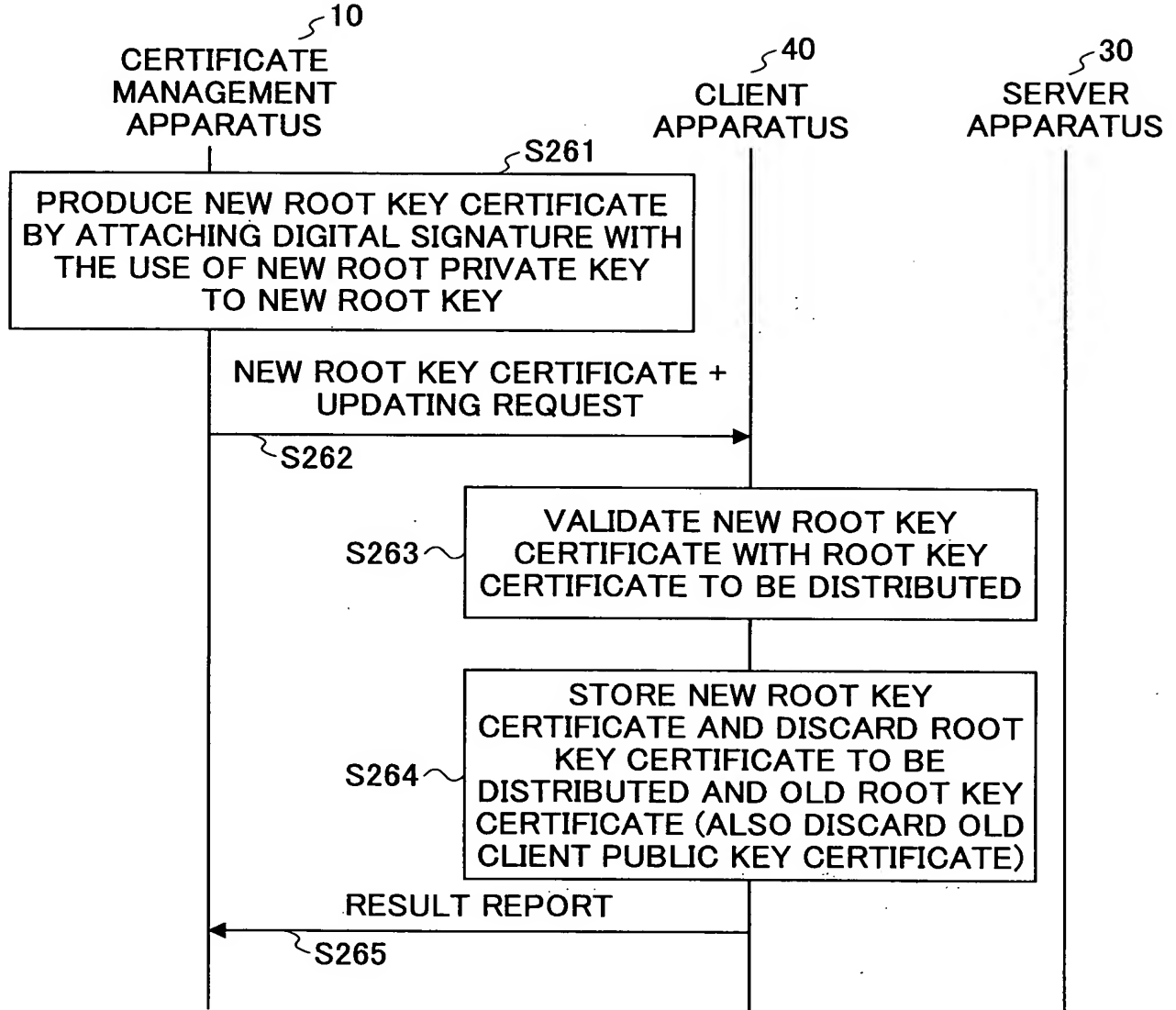


FIG.23

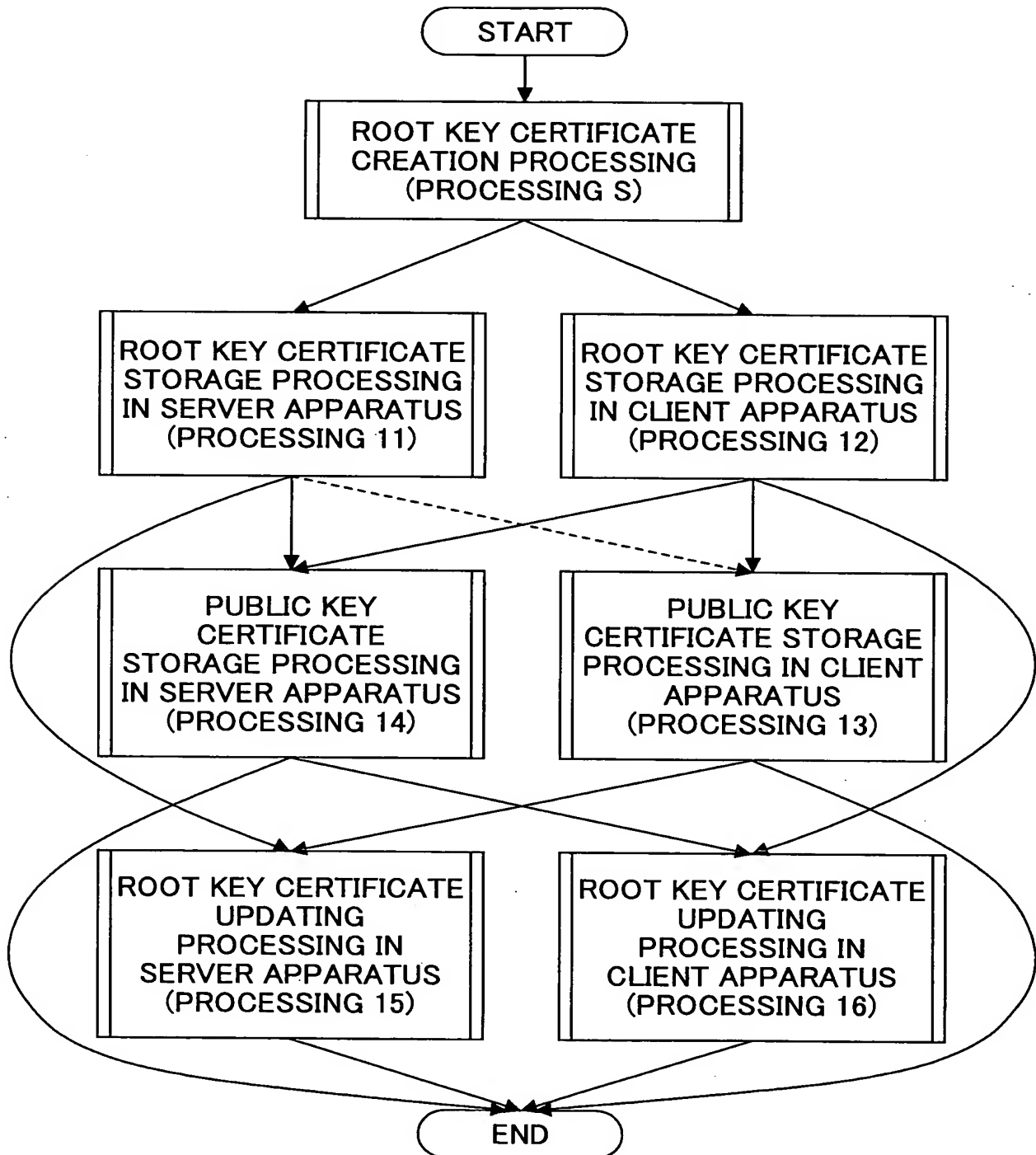


FIG.24

PROCESSING T

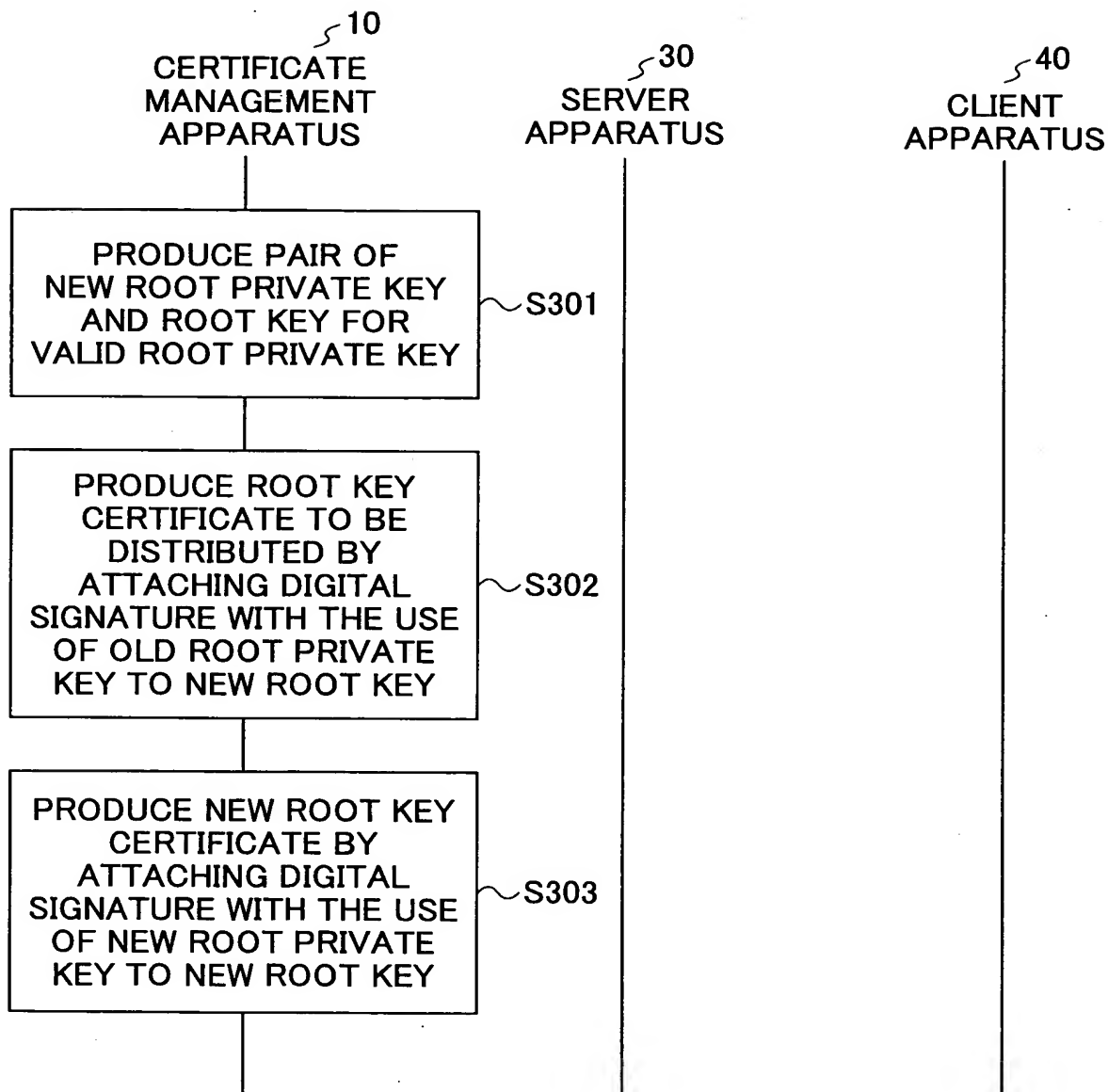


FIG.25

PROCESSING 21

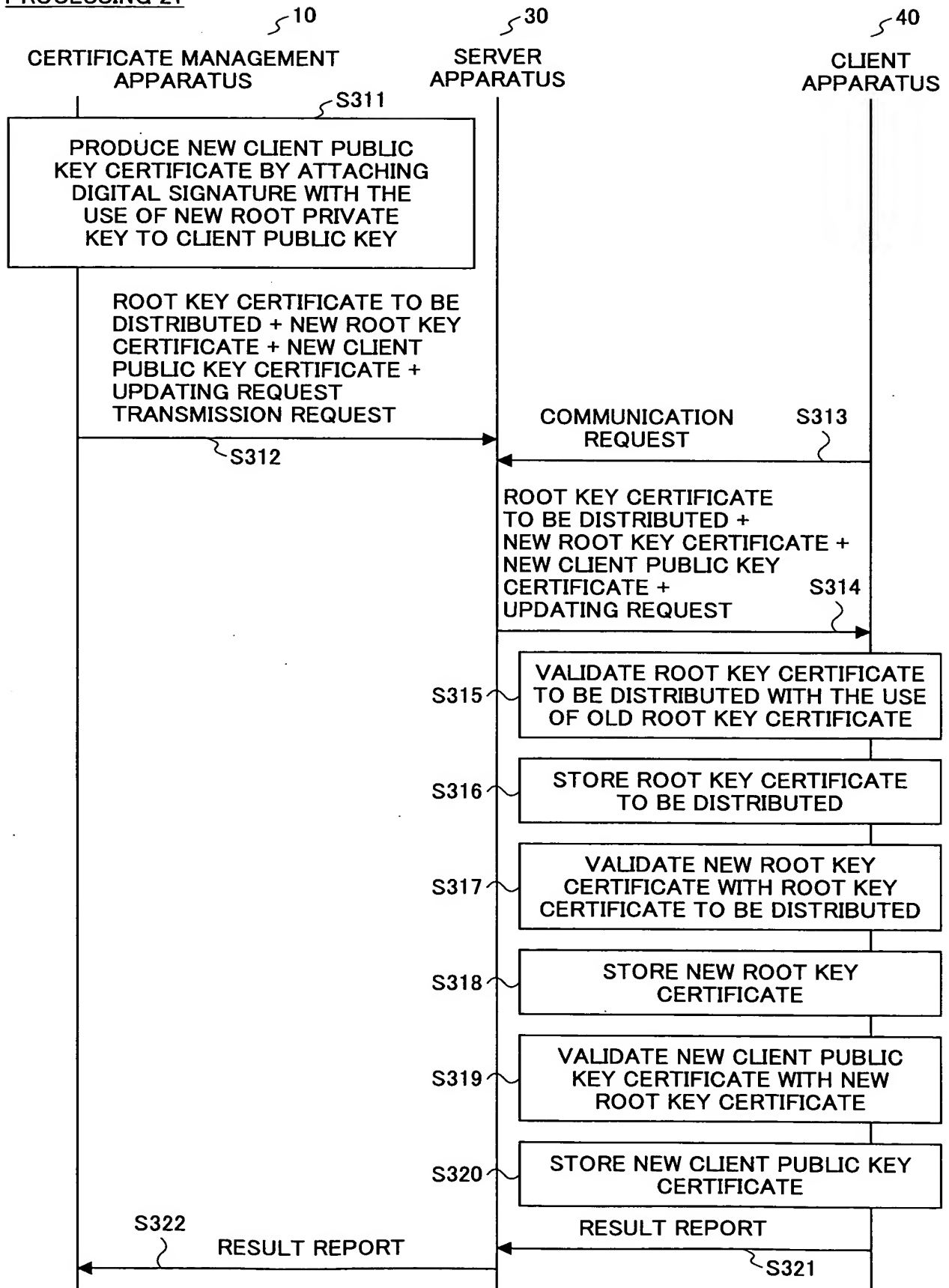


FIG.26

PROCESSING 22

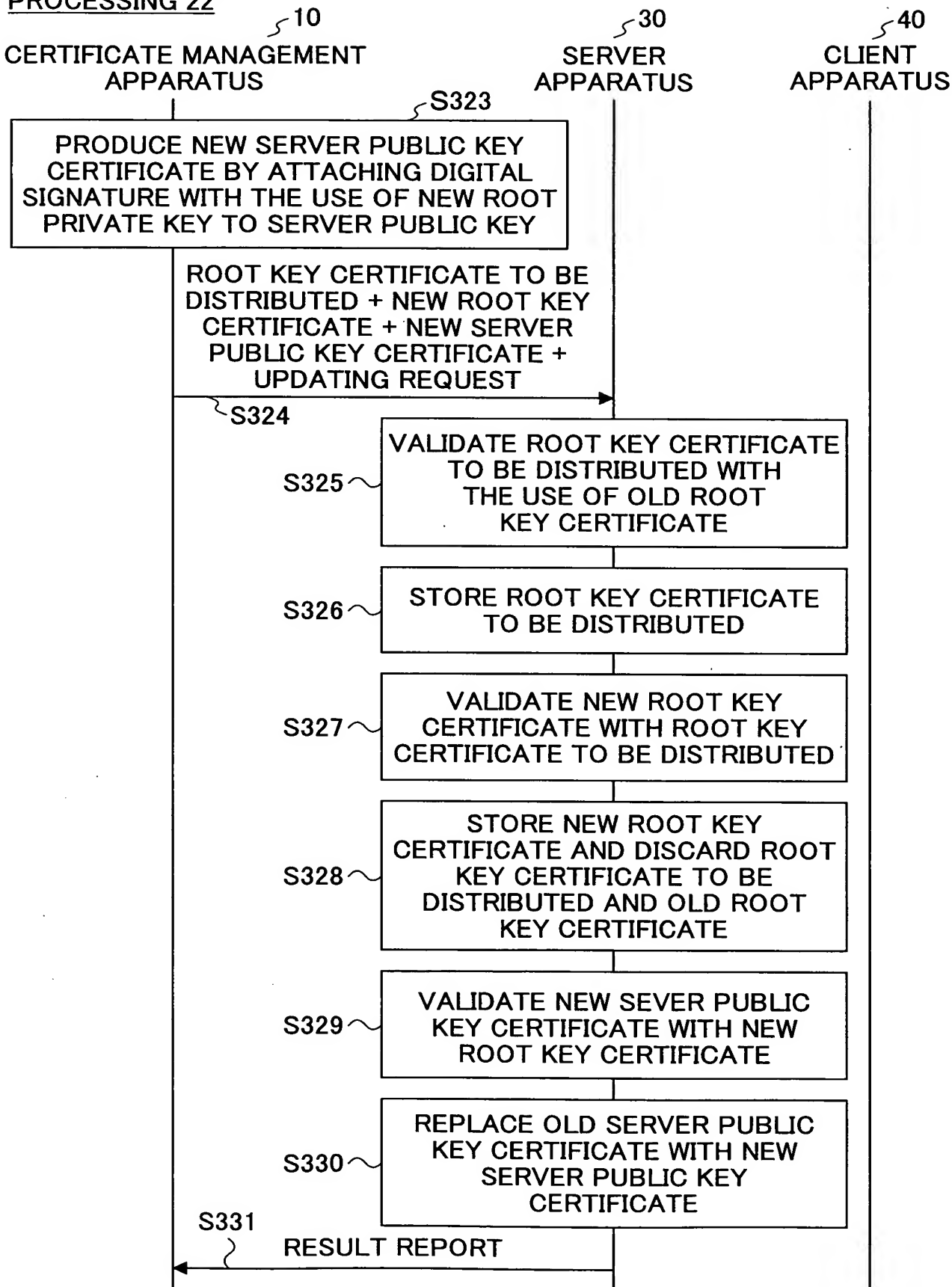


FIG.27

PROCESSING 23

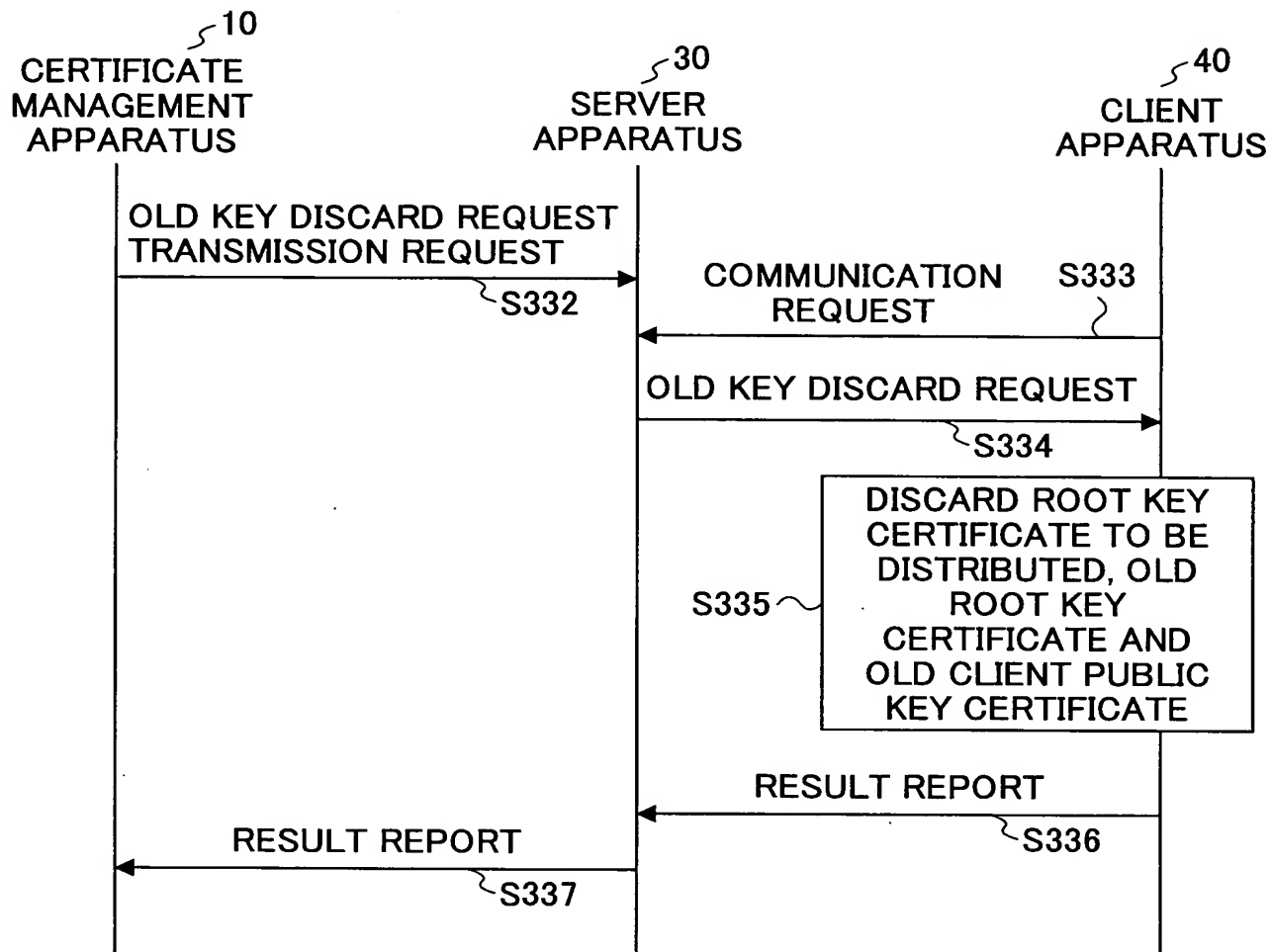


FIG.28

PROCESSING 31

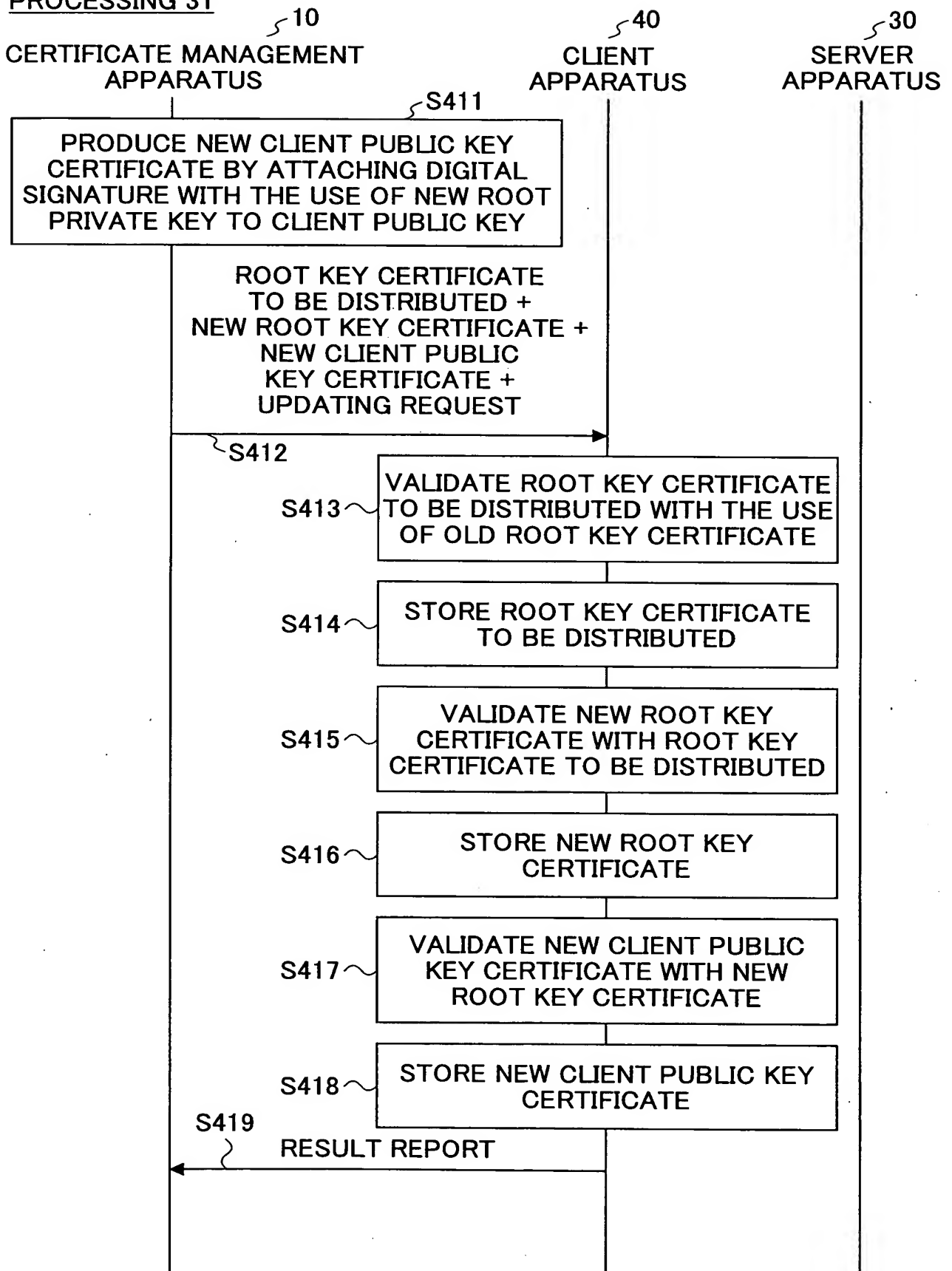


FIG.29

PROCESSING 32

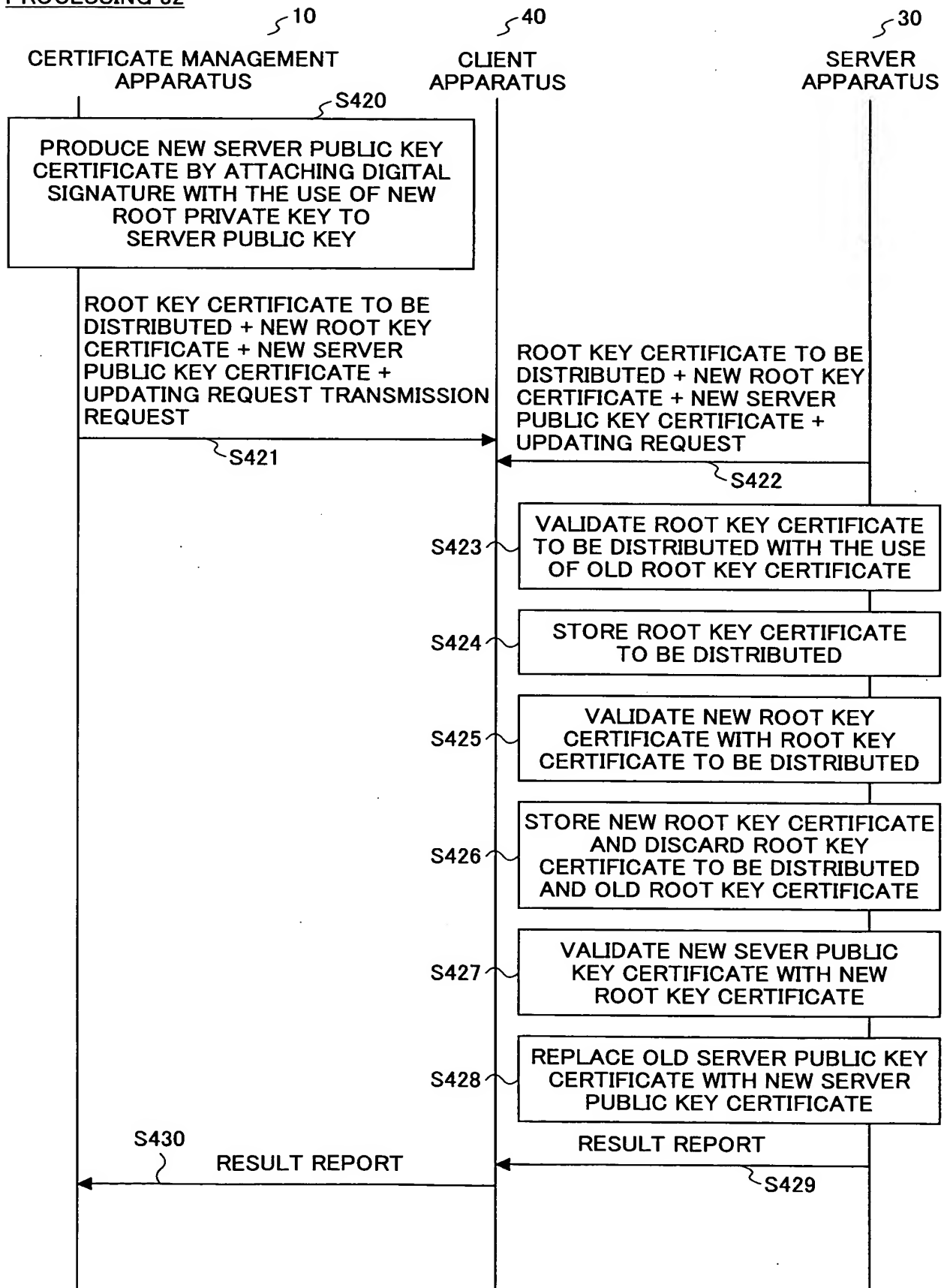


FIG.30

PROCESSING 33

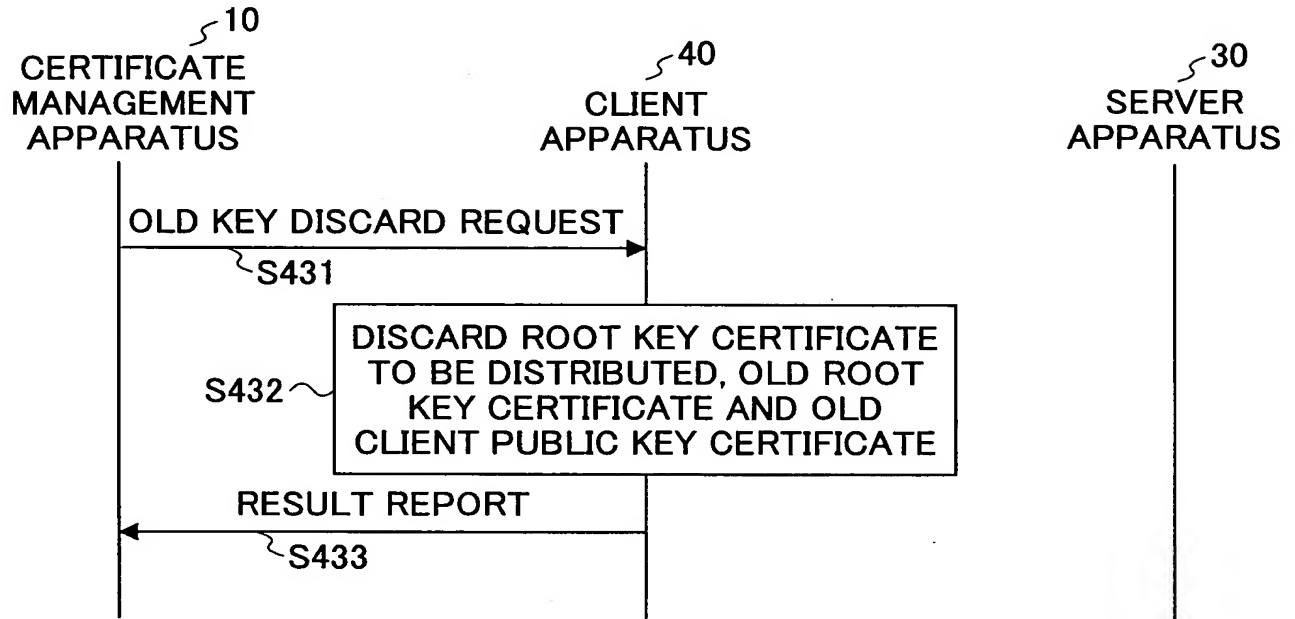


FIG.31

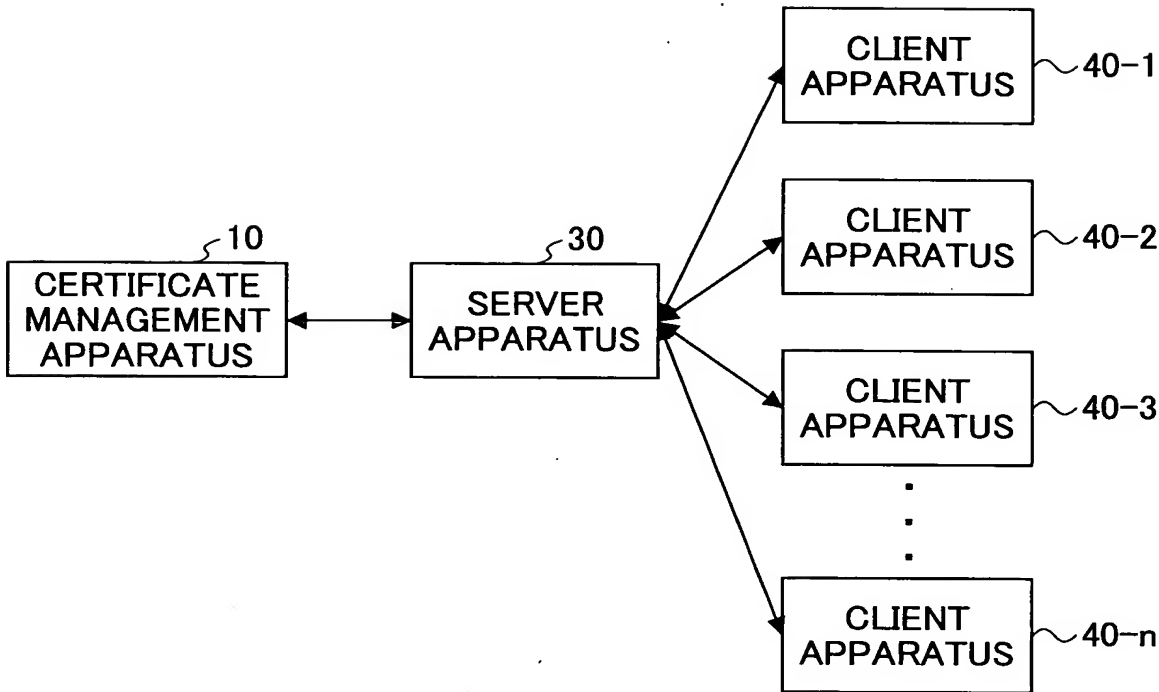


FIG.32

NODE ID	
DIRECT COMMUNICATION WITH MANAGEMENT APPARATUS AVAILABILITY	
COMMUNICATION COUNTERPART NODE ID	CLIENT/SERVER
	ROOT KEY ON USE
	UPDATE STATE
	...
.	...
	...
	...
.	...
	...
	...

FIG.33A

SERVER APPARATUS 30	
DIRECT COMMUNICATION AVAILABLE	
CLIENT APPARATUS 40-1	SERVER
	ROOT KEY A
	UPDATE NEEDED
CLIENT APPARATUS 40-2	SERVER
	ROOT KEY A
	UPDATE NEEDED
CLIENT APPARATUS 40-3	SERVER
	ROOT KEY A
	UPDATE NEEDED
.	...
	...
	...
CLIENT APPARATUS 40-n	SERVER
	ROOT KEY A
	UPDATE NEEDED

FIG.33B

CLIENT APPARATUS 40-1	
DIRECT COMMUNICATION NOT AVAILABLE	
N/A	

FIG.33C

CLIENT APPARATUS 40-1	
DIRECT COMMUNICATION NOT AVAILABLE	
SERVER APPARATUS 30	CLIENT
	ROOT KEY A
	UPDATE NEEDED

FIG.34

PROCESSING 3-1

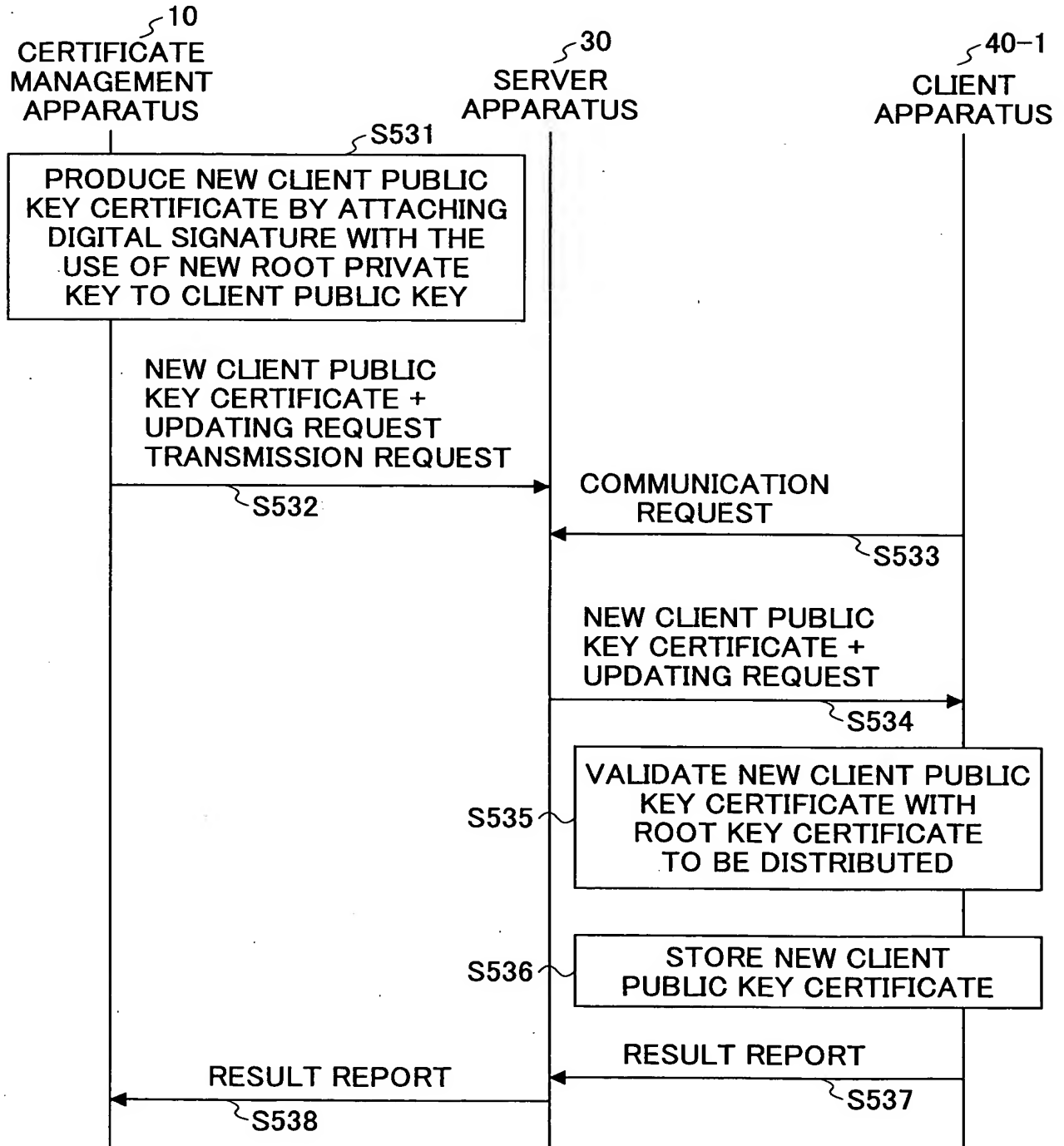


FIG.35

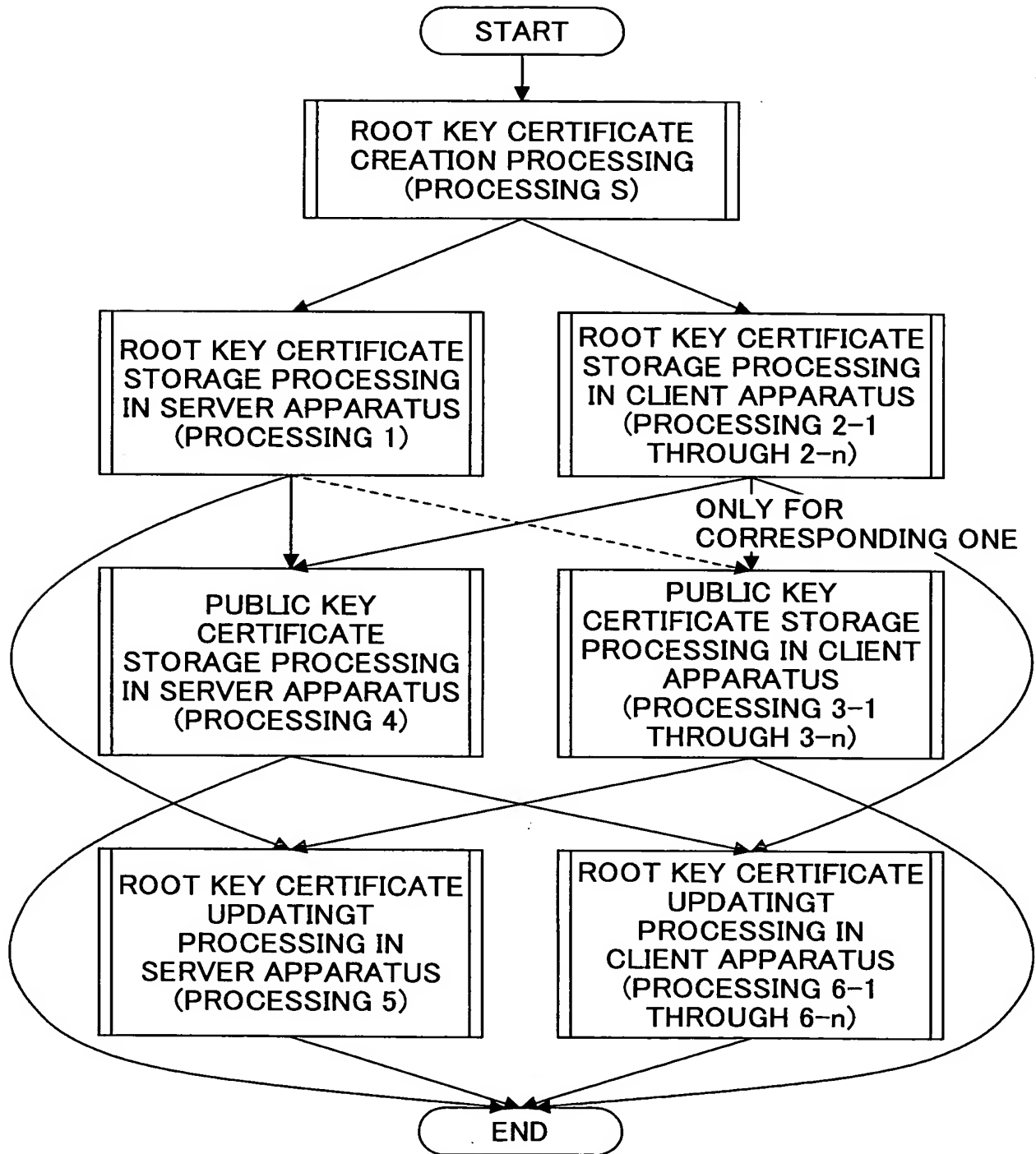


FIG.36

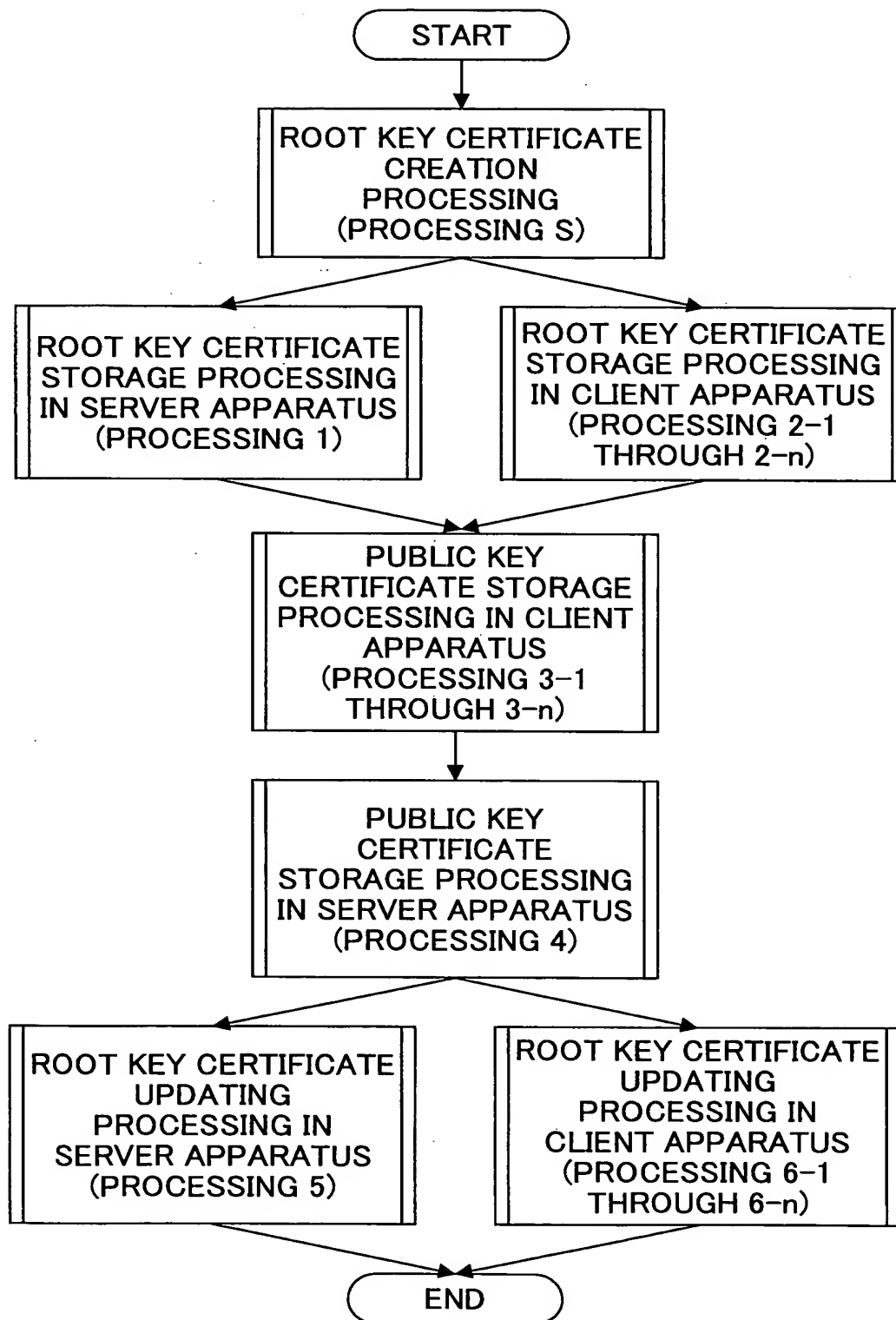


FIG.37

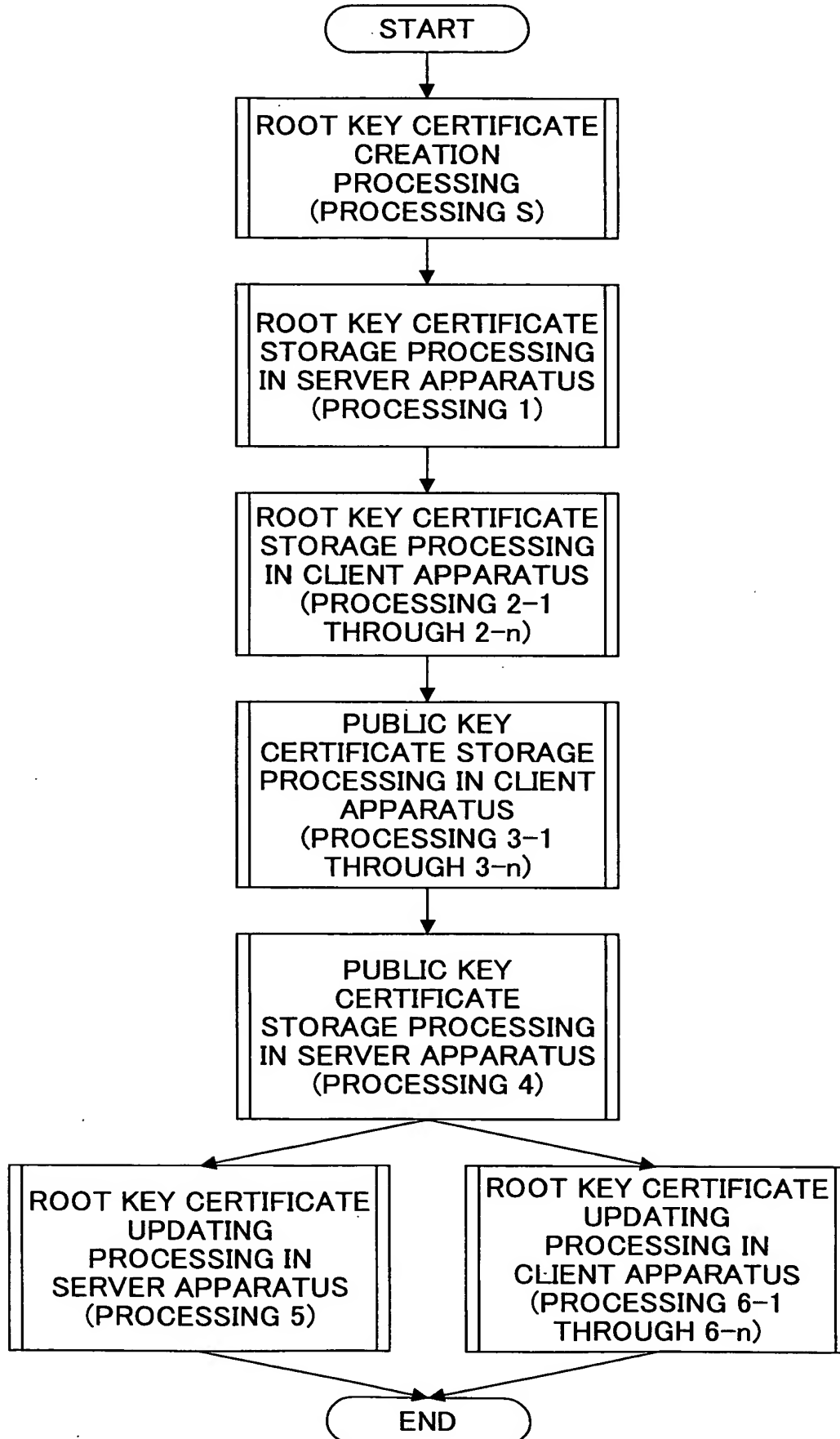


FIG.38

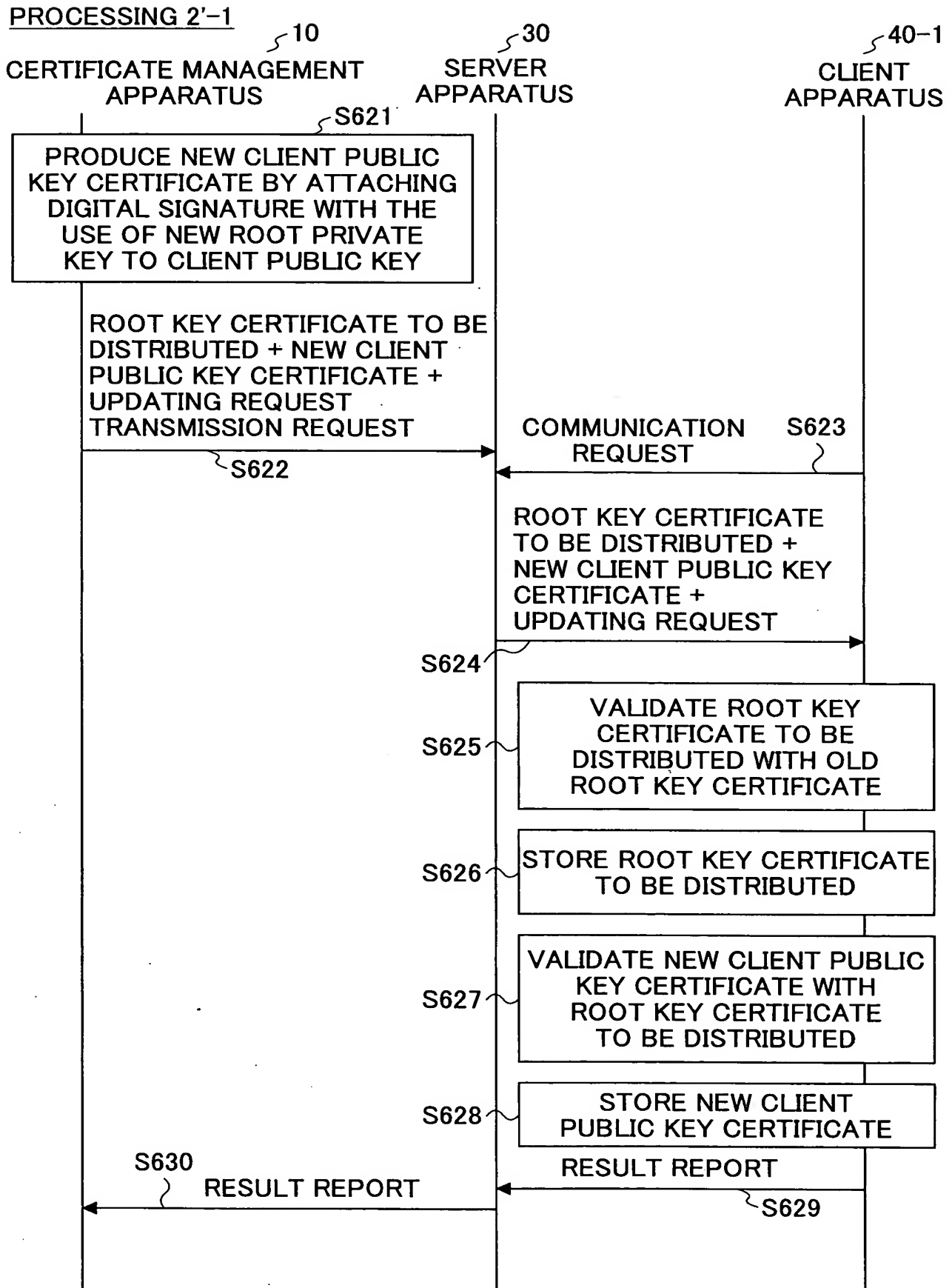


FIG.39

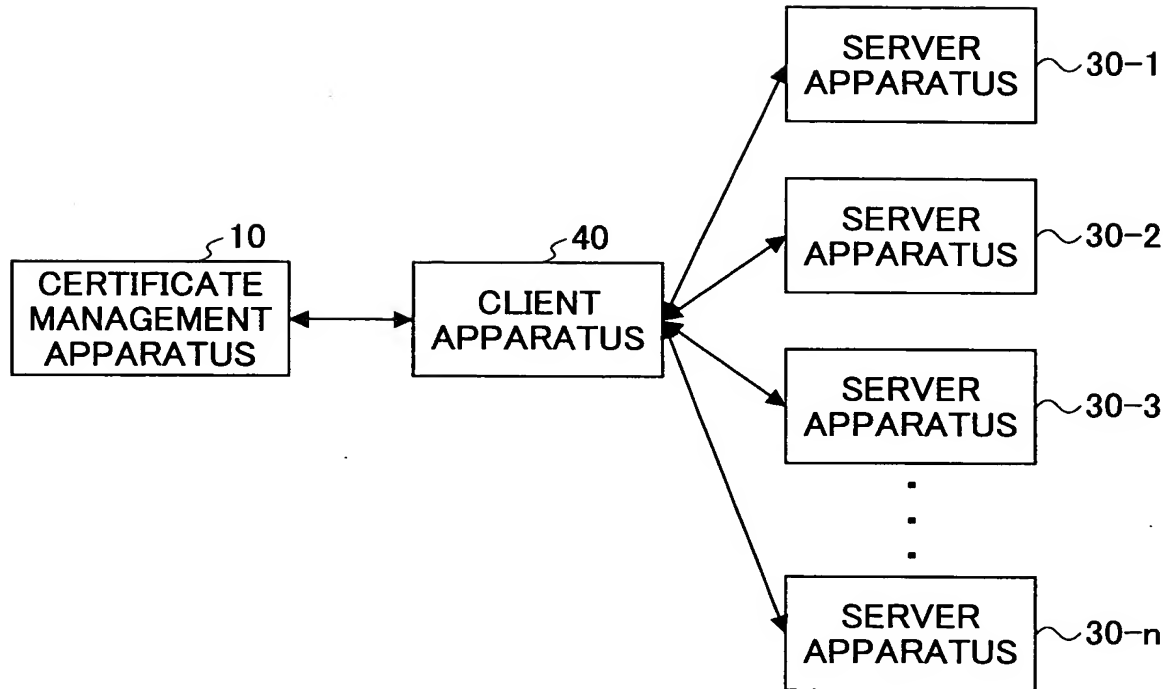


FIG.40A

CLIENT APPARATUS 40	
DIRECT COMMUNICATION AVAILABLE	
SERVER APPARATUS 30-1	CLIENT
	ROOT KEY A
	UPDATE NEEDED
SERVER APPARATUS 30-2	CLIENT
	ROOT KEY A
	UPDATE NEEDED
SERVER APPARATUS 30-3	CLIENT
	ROOT KEY A
	UPDATE NEEDED
.	...
	...
	...
SERVER APPARATUS 30-n	CLIENT
	ROOT KEY A
	UPDATE NEEDED

FIG.40B

SERVER 30-1	
DIRECT COMMUNICATION NOT AVAILABLE	
N/A	

FIG.40C

SERVER 30-1	
DIRECT COMMUNICATION NOT AVAILABLE	
CLIENT APPARATUS 30	CLIENT
	ROOT KEY A
	UPDATE NEEDED

FIG.41

PROCESSING 14-1

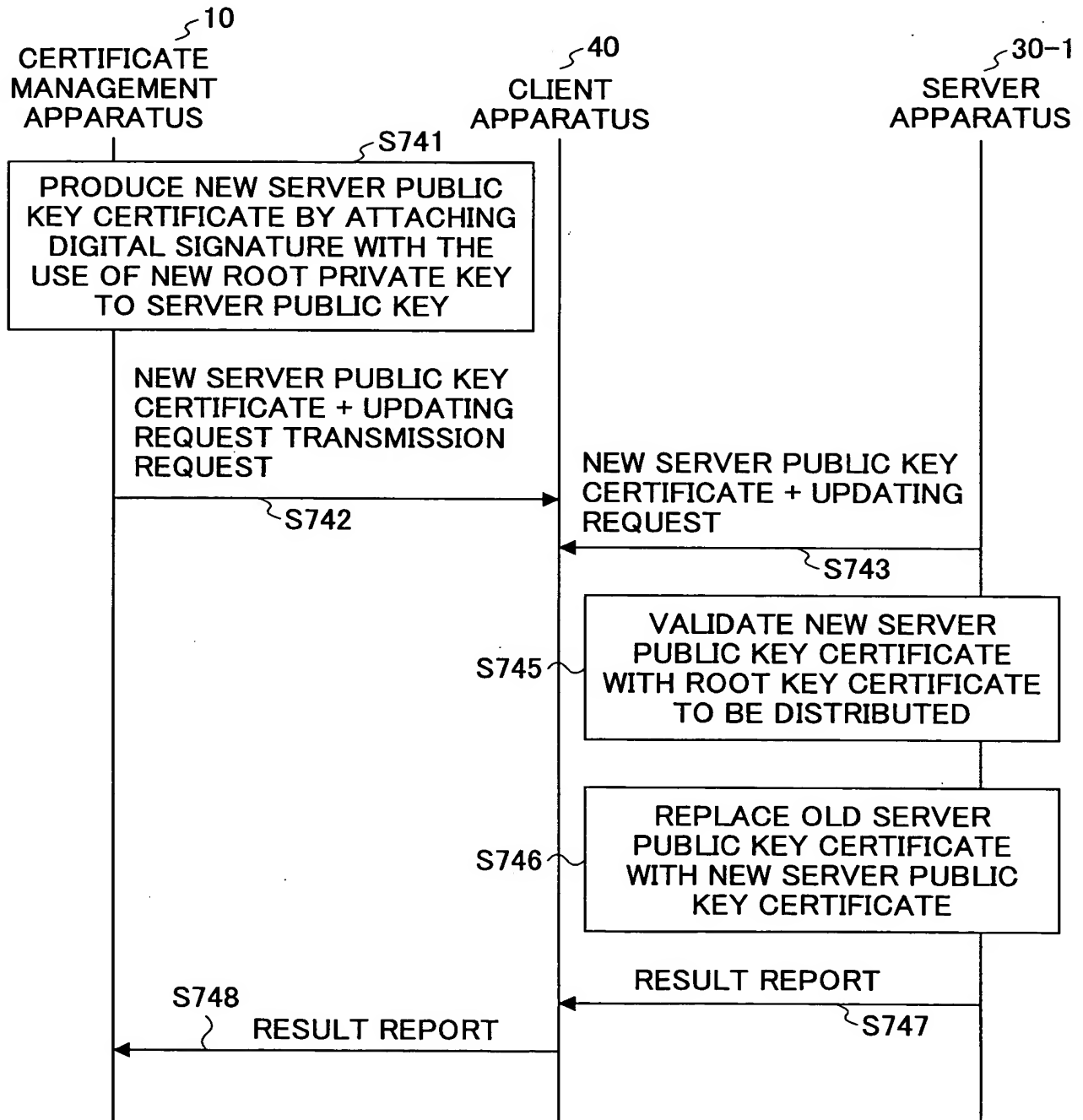


FIG.42

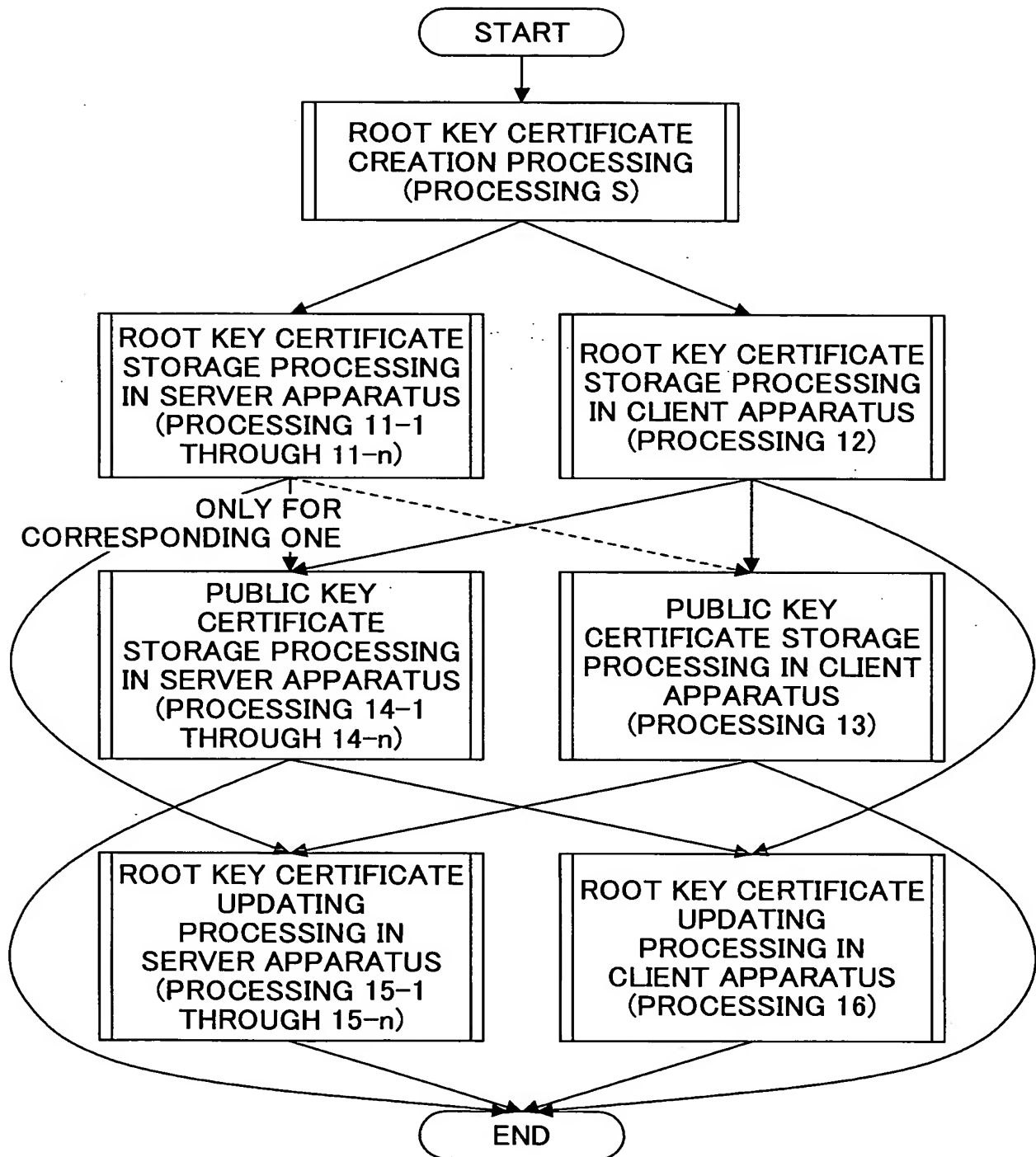


FIG.43

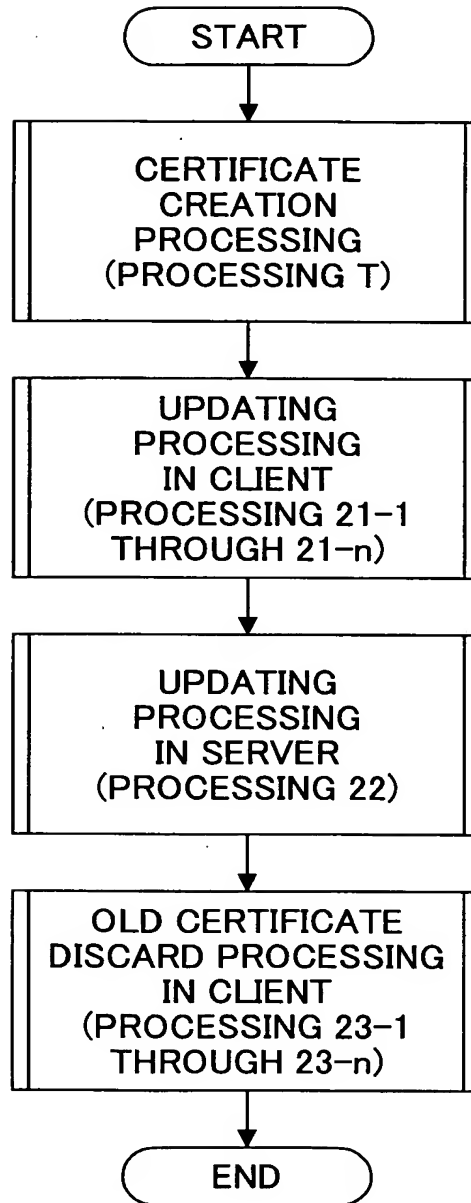


FIG.44

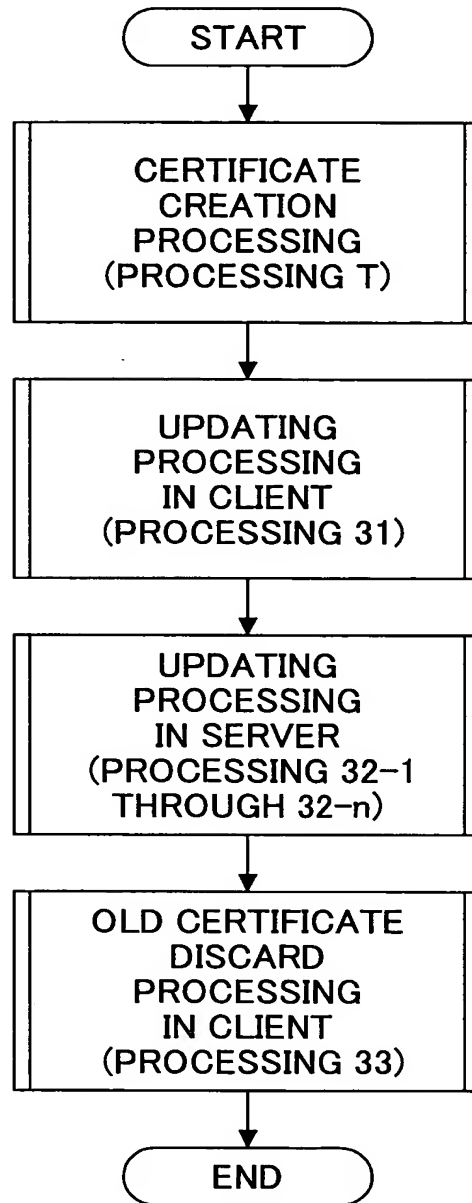


FIG.45

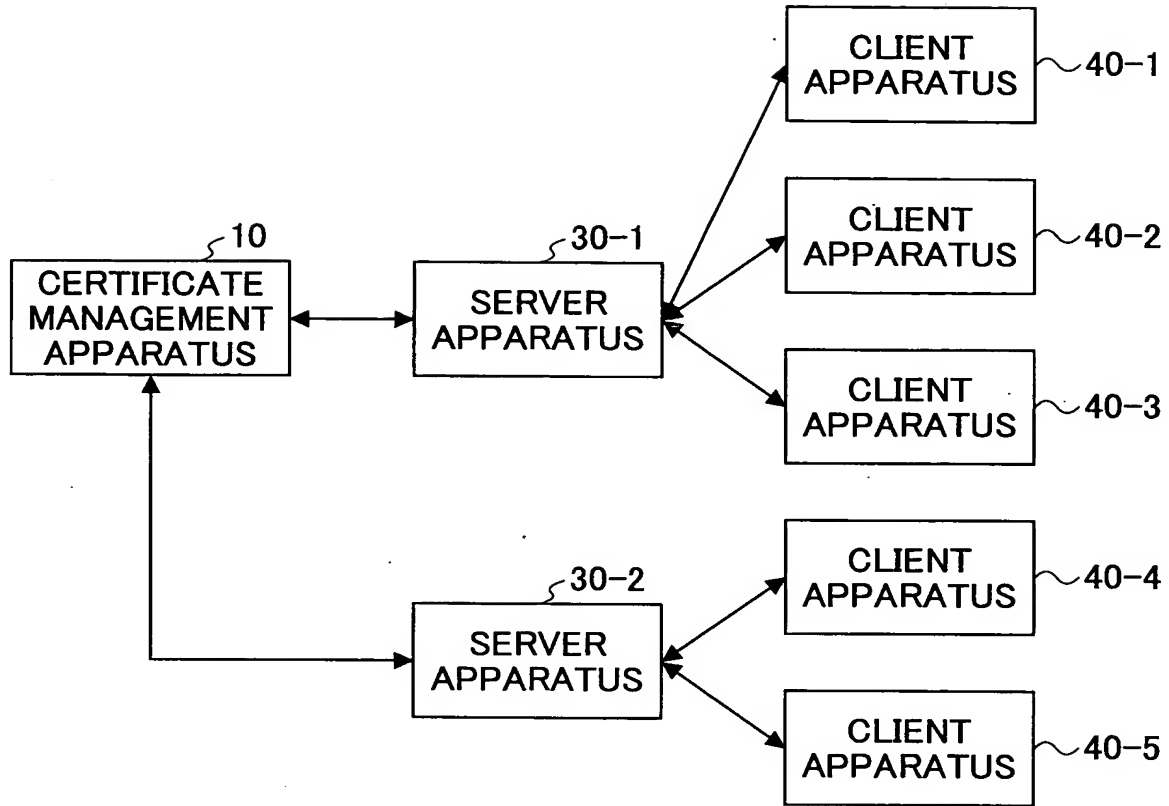


FIG.46

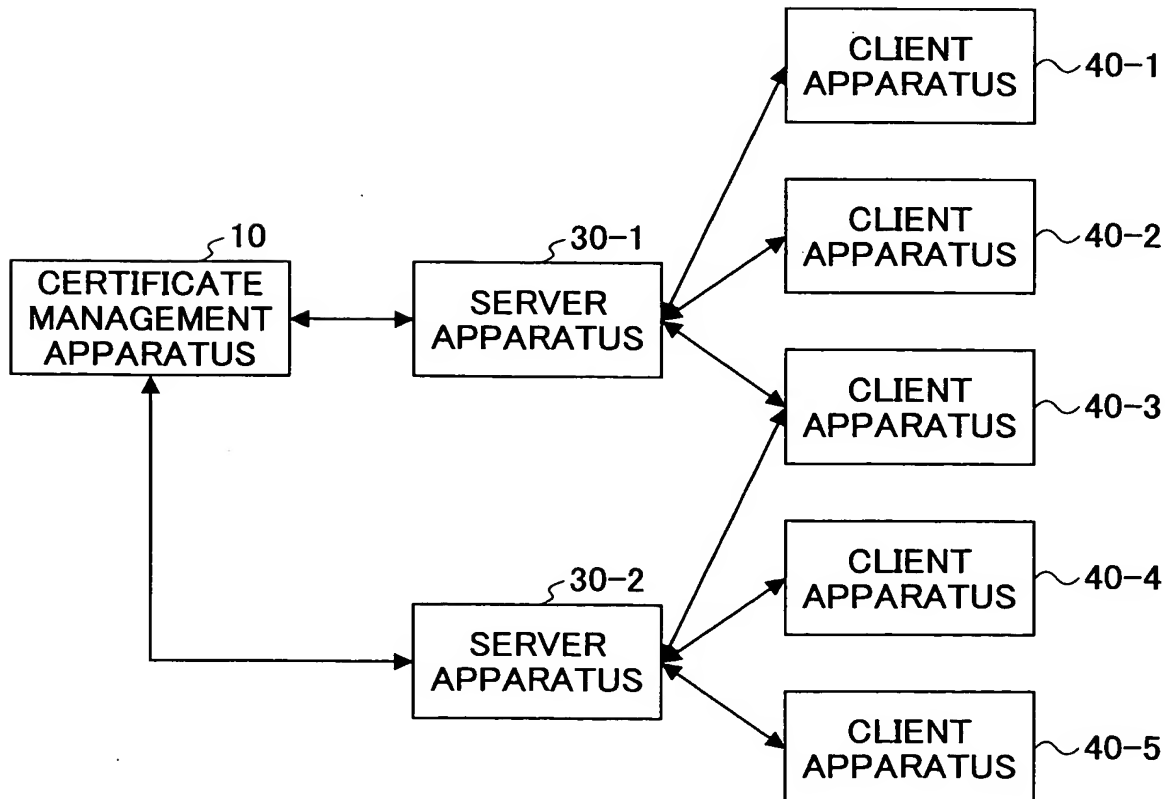


FIG.47

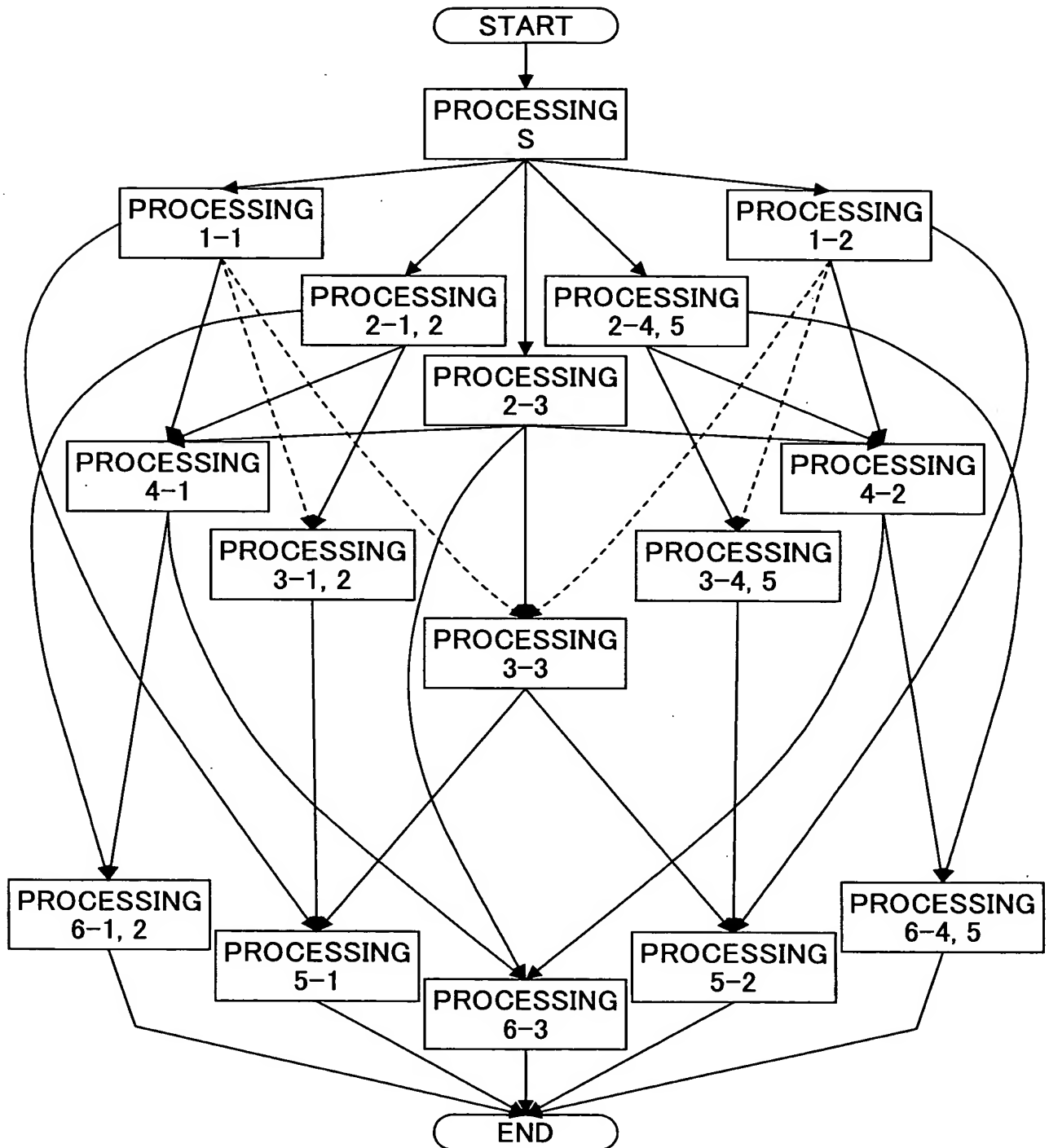


FIG.48

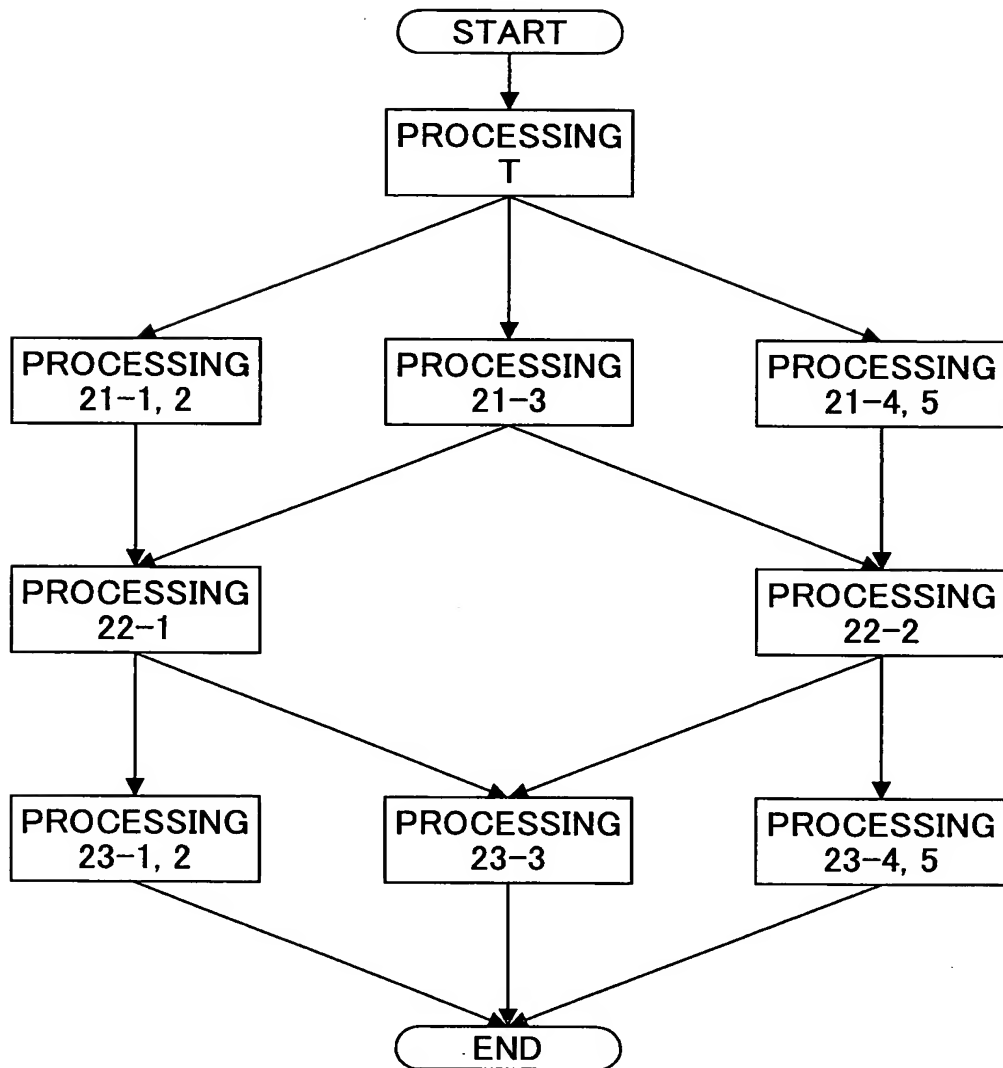


FIG.49

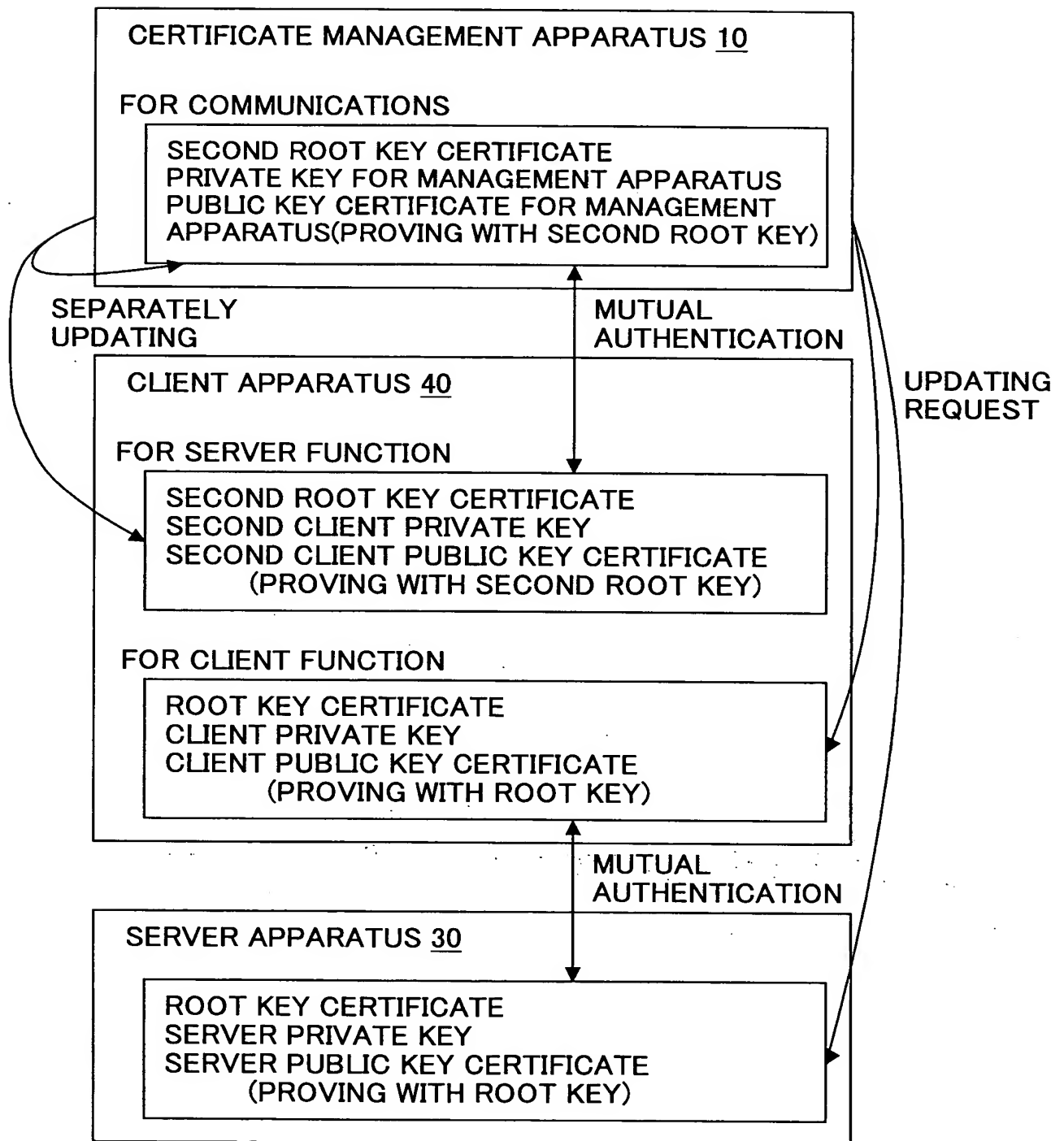


FIG.50

PROCESSING 24

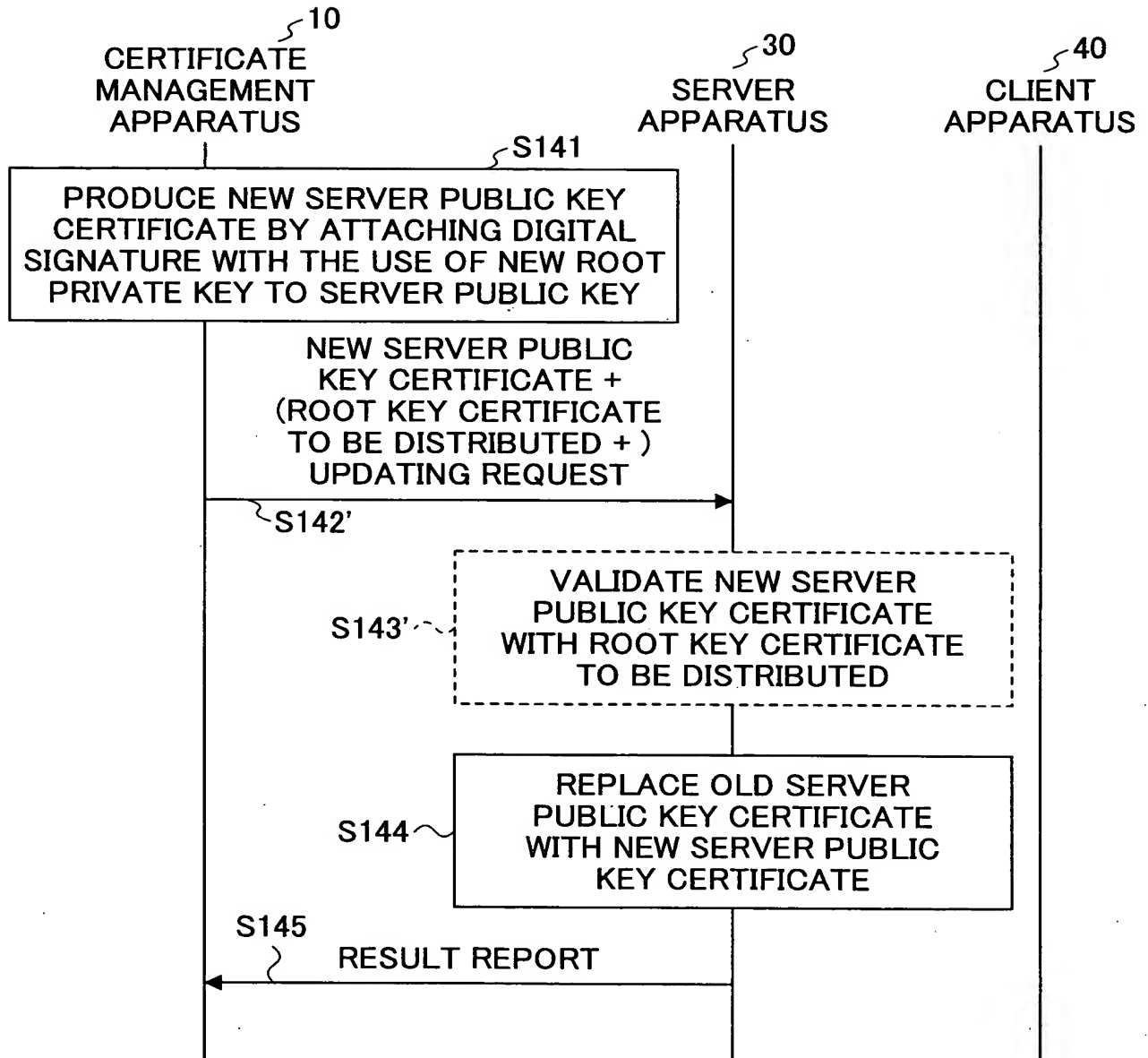


FIG.51

PROCESSING 26

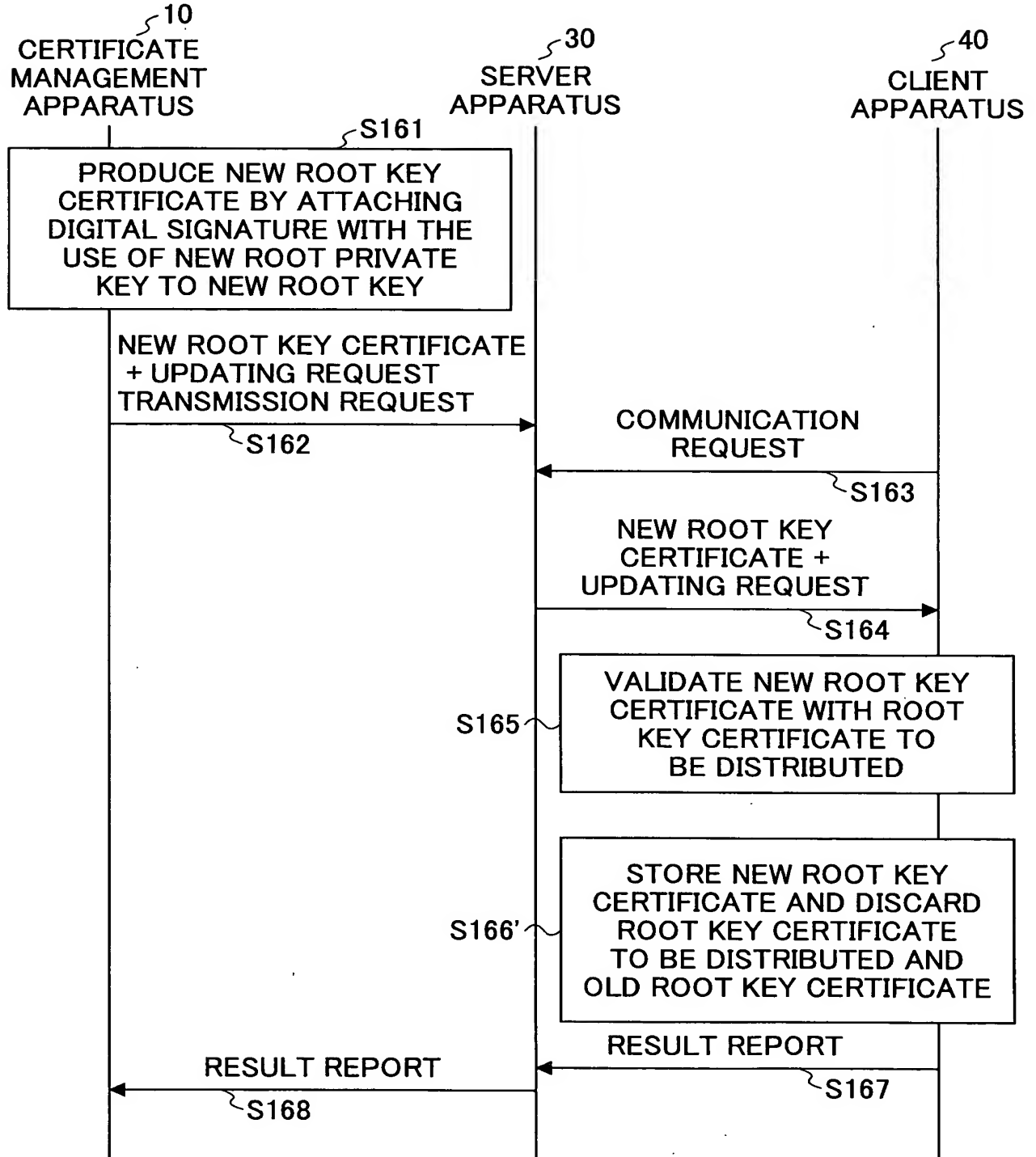


FIG.52

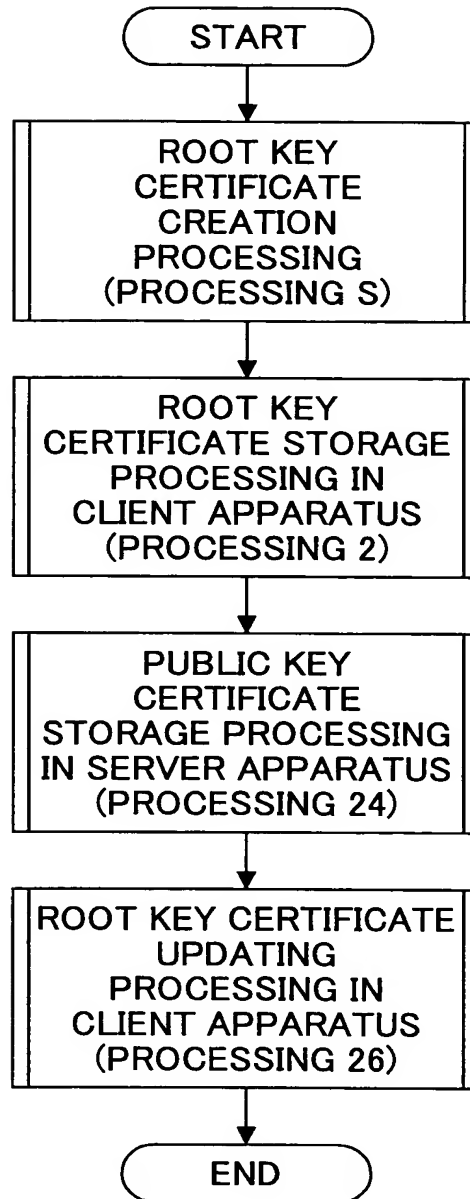


FIG. 53A

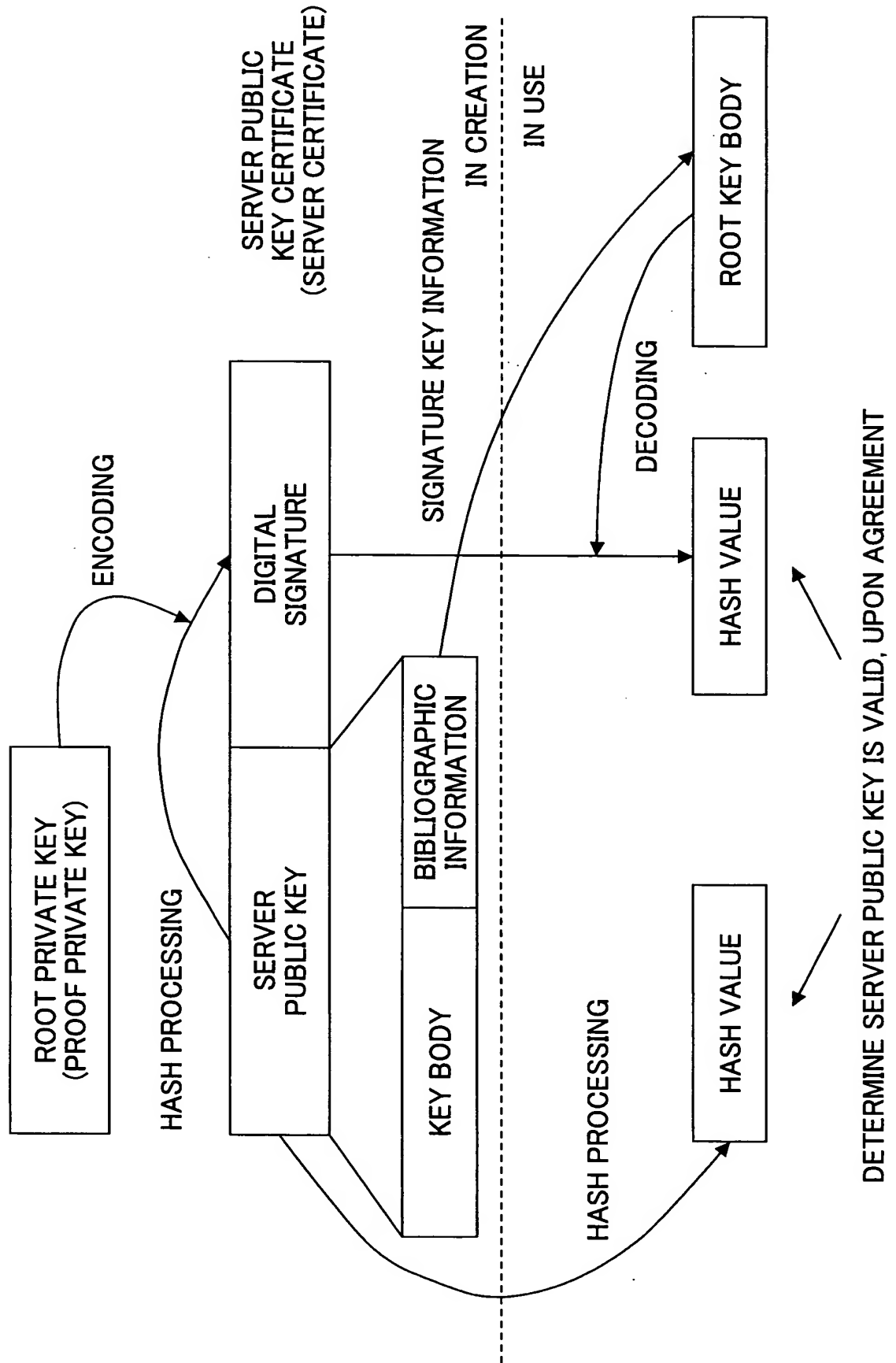


FIG. 53B

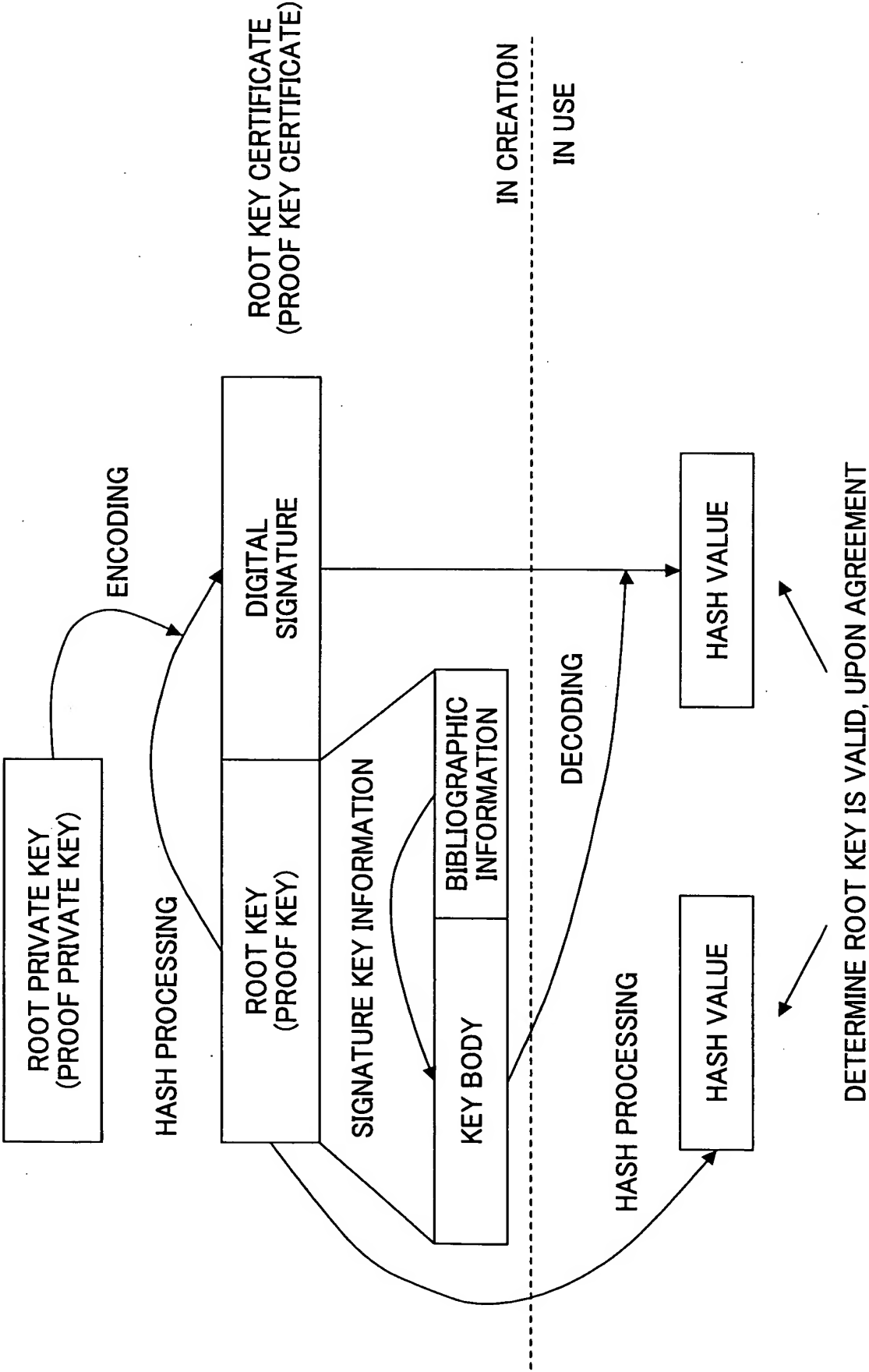


FIG.54

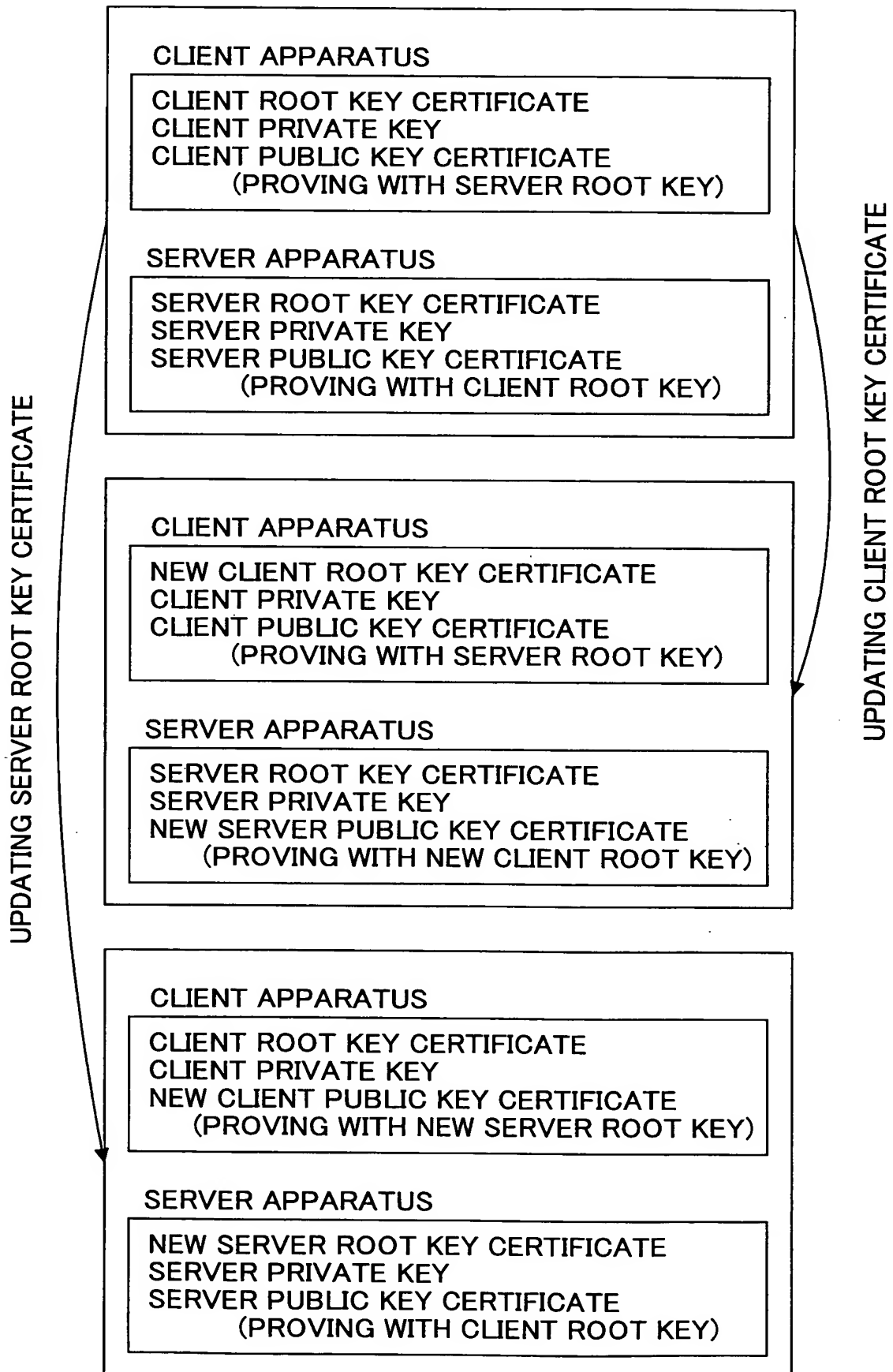


FIG.55

PROCESSING U

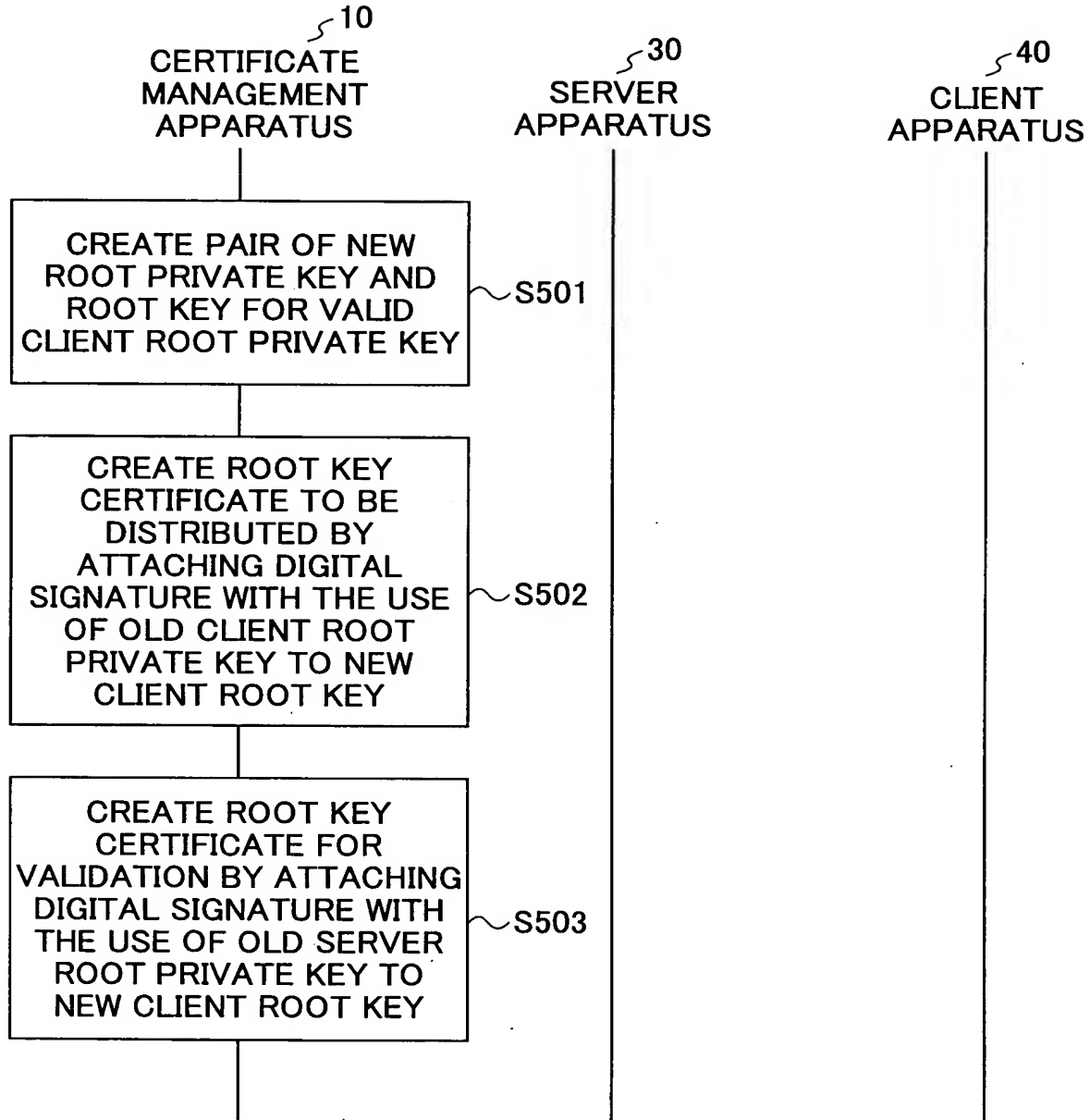


FIG.56

PROCESSING 32

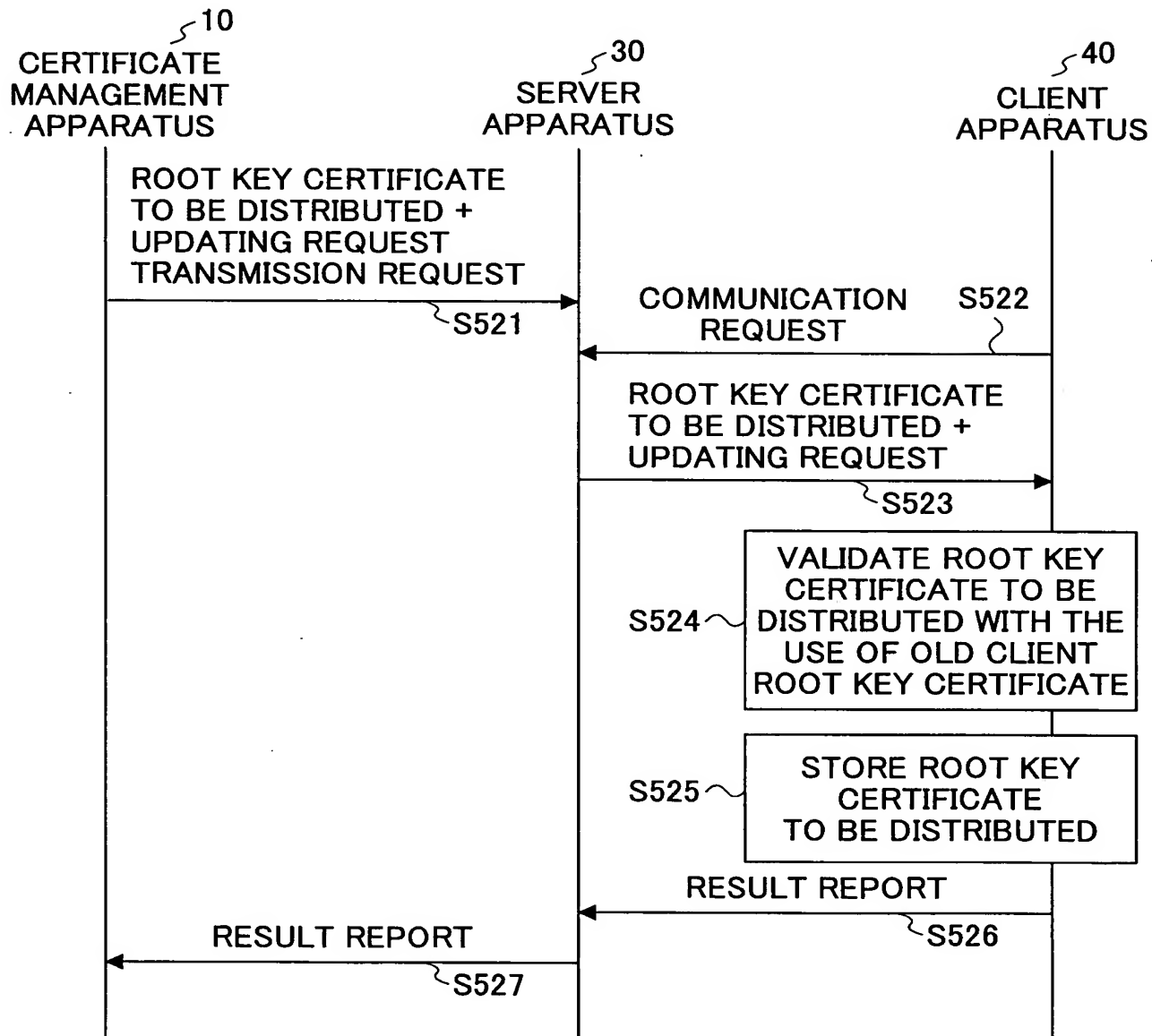


FIG.57

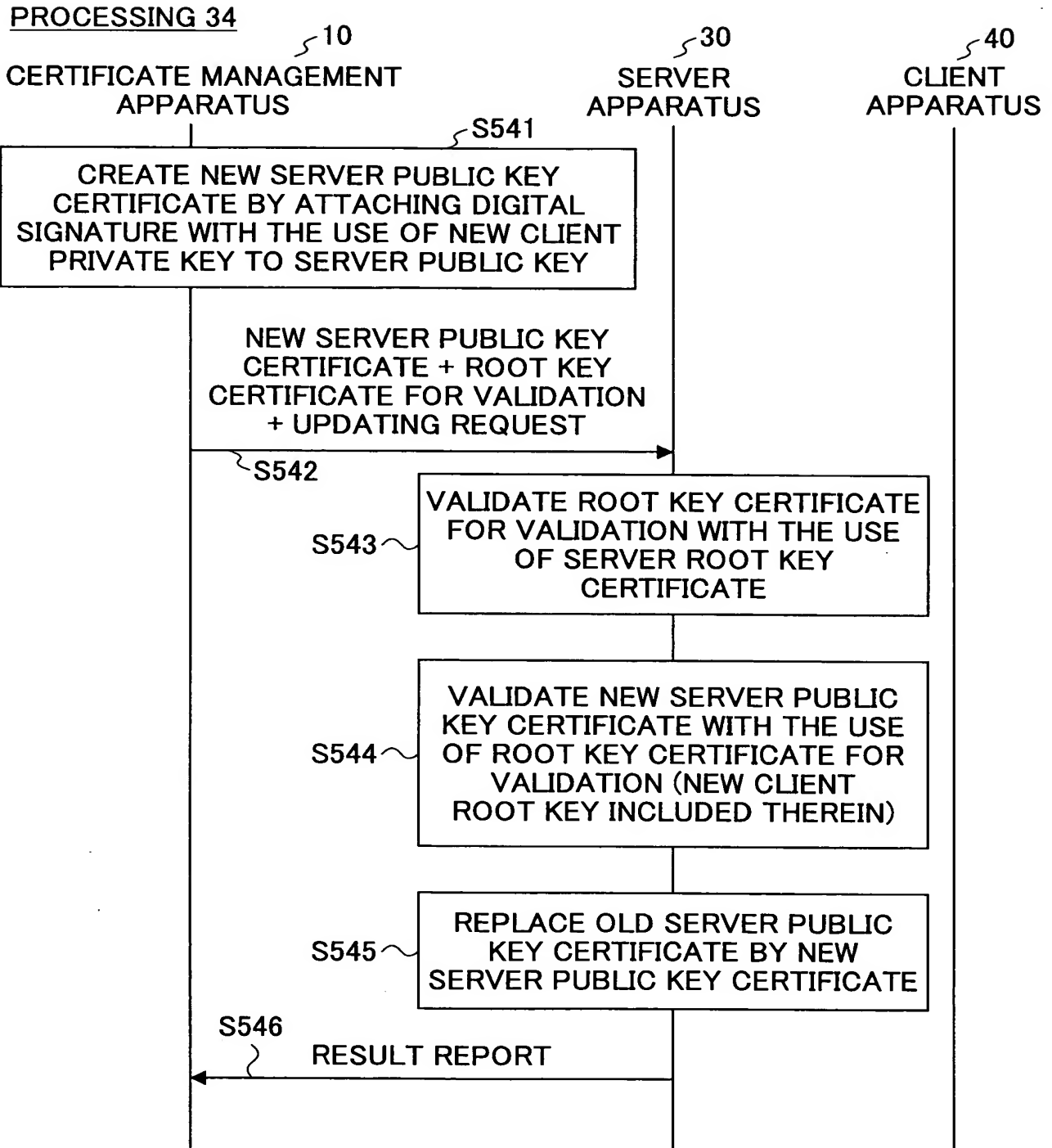


FIG.58

PROCESSING 36

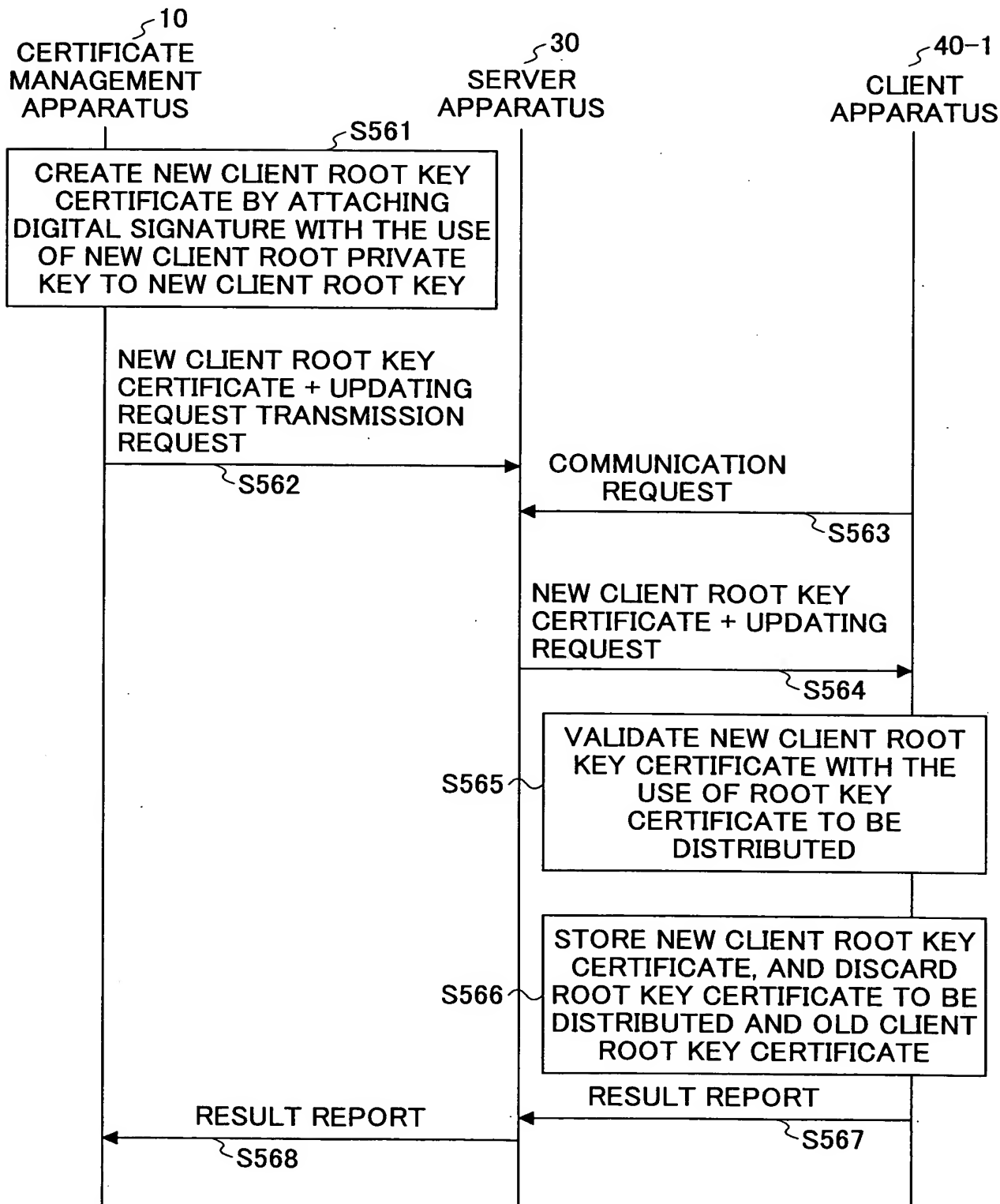


FIG.59

